



NCC

低功率射頻器材型式試驗報告

產品名稱 : ARTIS 觸控螢幕
型號 : UNITY4 AS
廠牌 : TECHNOGYM
商標 : 
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測試標準 : LP0002 (109 年版)
參考法規 : ANSI C63.10-2013
測試結果 : 符合
接收日期 : 2021/8/2
測試日期 : 2021/8/11~2021/9/6

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修訂紀錄

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1. 一般資訊

申請者	弘雋國際股份有限公司
申請者地址	臺北市松山區長春路 451 號 7 樓
製造商	弘雋國際股份有限公司
製造商地址	臺北市松山區長春路 451 號 7 樓
實驗室	台灣曼瑞檢測科技有限公司
實驗室地址	33377 台灣桃園市龜山區復興二路 38 號
實驗室資訊	1. MRT facility is a FCC registered (Reg. No. 153292) test facility with the site description report on file and is designated by the FCC as an Accredited Test Firm. 2. MRT facility is an IC registered (MRT Reg. No. 21723) test laboratory with the site description on file at Industry Canada. 3. MRT Lab is accredited to ISO 17025 by the Taiwan Accreditation Foundation (TAF Cert. No. 3261) in EMC, Telecommunications and Radio testing for FCC (Designation Number: TW3261), Industry Taiwan, EU and TELEC Rules.
實驗室測試環境條件	溫度 (°C) : 20-35 / 濕度 (%RH) : 30-65

2. 產品描述

2.1 產品資訊

產品名稱	ARTIS 觸控螢幕
產品型號	UNITY4 AS
廠牌	TECHNOGYM
商標	
軟體版本	7.45.165
支援規格	Bluetooth External: V4.2 LE Bluetooth : V5.0 LE 2.4G: 802.11b/g/n-20; 5G: 802.11a/n-20/ac-20/n-40/ac-40/ac-80 (Band1~3) NFC: 13.56MHz WPC (5W)
Wi-Fi 規格	802.11a/n/ac (1TX / 1RX)
頻率範圍	5GHz: For 802.11a/n-HT20/ac-VHT-20: 5180~5320MHz, 5500~5700MHz For 802.11n-HT40/ ac-VHT40: 5190~5310MHz, 5510~5670MHz For 802.11ac-VHT80: 5210MHz, 5290MHz, 5530MHz, 5610MHz,5690MHz
最大輸出功率	802.11a: 10.99dBm 802.11n-HT20: 9.58dBm 802.11ac-VHT20: 9.21dBm 802.11n-HT40: 4.06dBm 802.11ac-VHT40: 3.95dBm 802.11ac-VHT80: 3.64dBm
調變模式	802.11a/n-20/ac-20/n-40/ac-40/ac-80: OFDM (BPSK, QPSK, 16QAM, 64QAM,256QAM)

2.2 產品規格

802.11 n-HT20/ ac-VHT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz
48	5240 MHz	52	5260 MHz	56	5280 MHz
60	5300 MHz	64	5320 MHz	100	5500 MHz
104	5520 MHz	108	5540 MHz	112	5560 MHz
120	5600 MHz	124	5620 MHz	128	5640 MHz
132	5660 MHz	136	5680 MHz	140	5700 MHz

802.11 n-HT40/ ac-VHT40

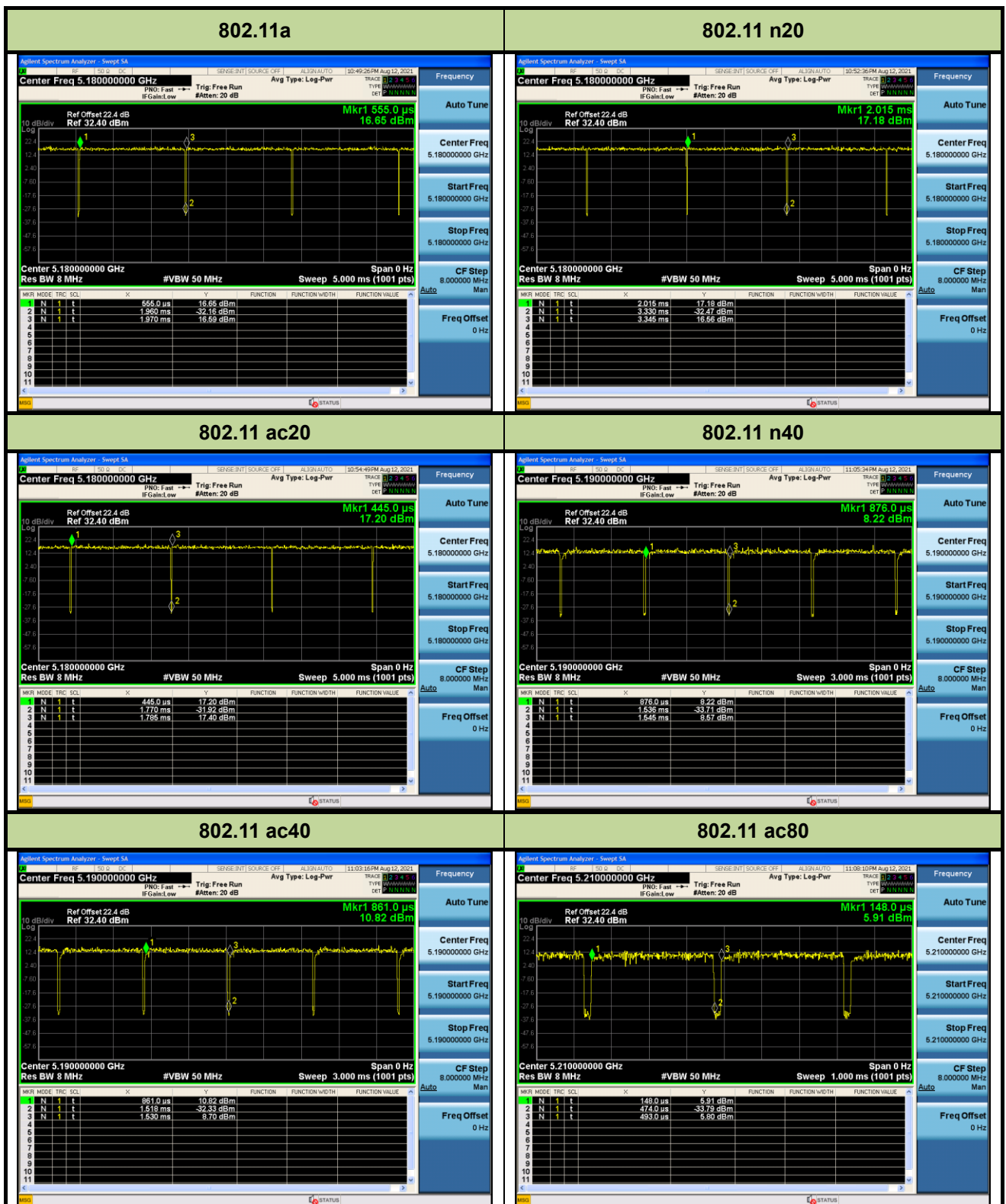
Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz
62	5310 MHz	102	5510 MHz	110	5550 MHz
126	5630 MHz	134	5670 MHz	142	5710 MHz

802.11ac-VHT80

Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530 MHz
122	5610 MHz	138	5690 MHz	--	--

Duty Cycle

Test Mode	Duty Cycle
802.11a	99%
802.11n-HT20	99%
802.11ac-VHT20	99%
802.11n-HT40	99%
802.11ac-VHT40	98%
802.11ac-VHT80	94%



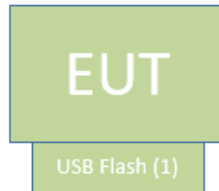
2.3 測試模式

Test Mode	Mode 1: Transmit by 802.11a
	Mode 2: Transmit by 802.11n-HT20
	Mode 3: Transmit by 802.11ac-VHT20
	Mode 4: Transmit by 802.11n-HT40
	Mode 5: Transmit by 802.11ac-VHT40
	Mode 6: Transmit by 802.11ac-VHT80
	Mode 7: Receive by 802.11n-HT20

Note: Since 802.11n and 802.11ac have the same modulation/data rate/bandwidth, and after confirmation of conducted power, we select 802.11n-HT20 and HT40 are covered by 802.11ac-VHT20 and VHT40 in this report.

2.4 測試配置

待測物測試配置圖 Mode1~Mode3



2.5 測試周邊

待測裝置測試時，其搭配系統測試時之週邊裝置包括如下：

No.	周邊名稱	廠牌	型號	序號	電源線
1	USB Flash	ADATA	C906	N/A	N/A

2.6 操作程序

1.	Turn on the power of all equipment.
2.	Execute “Engineering Mode” program
3.	Configure the test channel and the data rate.
4.	Start test.

3. 測試設備明細

傳導干擾 -SR2

儀器名稱	廠牌	型號	財產編號	校正週期	有效日期
Two-Line V-Network	R&S	ENV216	MRTTWA00019	1 year	2022/3/23
Two-Line V-Network	R&S	ENV216	MRTTWA00020	1 year	2022/4/28
8-Wire ISN (T8)	R&S	ENY81	MRTTWA00018	1 year	2022/5/30
Cable	Rosnol	N1C50-RG400- B1C50-500CM	MRTTWE00013	1 year	2022/6/20
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2022/3/24

輻射干擾 - AC1

儀器名稱	廠牌	型號	財產編號	校正週期	有效日期
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00001	1 year	2021/10/5
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2022/3/24
Active Loop Antenna	Schwarzbeck	FMZB 1519B	MRTTWA00002	1 year	2022/5/6
Broadband Horn antenna	SCHWARZBECK	BBHA 9120D	MRTTWA00003	1 year	2022/4/21
Breitband Hornantenna	Schwarzbeck	BBHA 9170	MRTTWA00004	1 year	2022/4/28
Broadband Amplifier	Schwarzbeck	BBV 9721	MRTTWA00006	1 year	2022/4/26
Broadband Preamplifier	SCHWARZBECK	BBV 9718	MRTTWA00005	1 year	2022/4/21
Cable	HUBERSUHNER	SF106	MRTTWE00010	1 year	2022/6/15

傳導量測設備 -SR2

儀器名稱	廠牌	型號	財產編號	校正週期	有效日期
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2021/10/14
EXA Signal Analyzer	KEYSIGHT	N9010B	MRTTWA00074	1 year	2022/7/19
X-Series USB Peak and Average Power Sensor	KEYSIGHT	U2021XA	MRTTWA00015	1 year	2022/3/24

EMI 測試軟體

軟體名稱	廠牌	版本
e3	Audix	9.160520a
EMI	Quietek	V3

4. 量測不確定度

電源傳導量測-電源線 (Conducted Emission- Power Line)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 0.15MHz~30MHz: $\pm 2.53\text{dB}$
輻射干擾量測 (Radiated Spurious Emission)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 9kHz~30MHz: $\pm 3.92\text{dB}$ 30MHz~1GHz: $\pm 4.25\text{dB}$ 1GHz~18GHz: $\pm 4.40\text{dB}$ 18GHz~40GHz: $\pm 4.45\text{dB}$
頻率誤差量測 (Frequency Error)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 78.4\text{Hz}$
傳導功率量測 (Conducted Power)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 0.84\text{dB}$
傳導干擾量測 (Conducted Spurious Emission)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 2.65\text{dB}$
佔用頻寬量測 (Occupied Bandwidth)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 3.3%
溫度 / 濕度 (Temp. / Humidity)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 0.82^\circ\text{C}$ / $\pm 3\%$
直流電源 (DC Voltage)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 0.3\%$

5. 測試結果

產品名稱 **ARTIS 觸控螢幕**

型號 **UNITY4 AS**

章節	量測項目	限制值	測試結果	測試數據
3.3	電源傳導	低功率射頻器材技術規範 3.3 節	符合	第 5.1 章節
5.7.3	峰值傳導輸出功率	$\leq 24.00\text{dBm}$ for Band 1~3; $\leq 30.00\text{dBm}$ for Band 4	符合	第 5.2 章節
5.7.8	天線之要求	低功率射頻器材技術規範 3.3 節	符合	第 5.3 章節
3.6	輻射電場強度	低功率射頻器材技術規範 3.6 節	符合	第 5.5 章節
3.5 5.7.4.2	頻帶邊緣	$\leq 74\text{dBuV/m(Peak)}$ $\leq 54\text{dBuV/m(Average)}$	符合	第 5.6 章節
5.7.5	占用頻寬	$\geq 500\text{KHz}$ (26dB Bandwidth) $\geq 500\text{KHz}$ (6dB Bandwidth)	符合	第 5.7 章節
5.7.3	功率頻譜密度	$\leq 11\text{dBm / MHz}$ for Band 1~3; $\leq 30\text{dBm / 500kHz}$ for Band 4	符合	第 5.8 章節

備註：符合性的判定是基於測試結果符合規範的限制值或客戶的宣告要求，測試結果的判定是不考慮測量不確定度的值。

5.1 電源傳導測試

5.1.1 量測方法

待測物放置於1m*2m*0.8m之非導體桌面並離垂直牆面40cm（落地型產品置於地上），將待測物之電源線接至電源阻抗網路器(LISN)，同時保持待測物至LISN距80公分，並將電源線多餘部份以30至40公分之八字形捆綁於電源線中央並離地40cm，於在正常工作狀態下，執行待測物之火線(Line)及地線(neutral)各一次量測。

電源端點場強之測量範圍由 0.15MHz –30MHz，所量測之讀值皆為準尖峰值(Quasi-Peak Value)及平均值(Average Value)。場強接收機之解析頻寬為9kHz。

備 註：經初測驗證過，電源端點干擾測試對測試頻道數並無差異，因此檢附其中一個測試頻道之測試數。

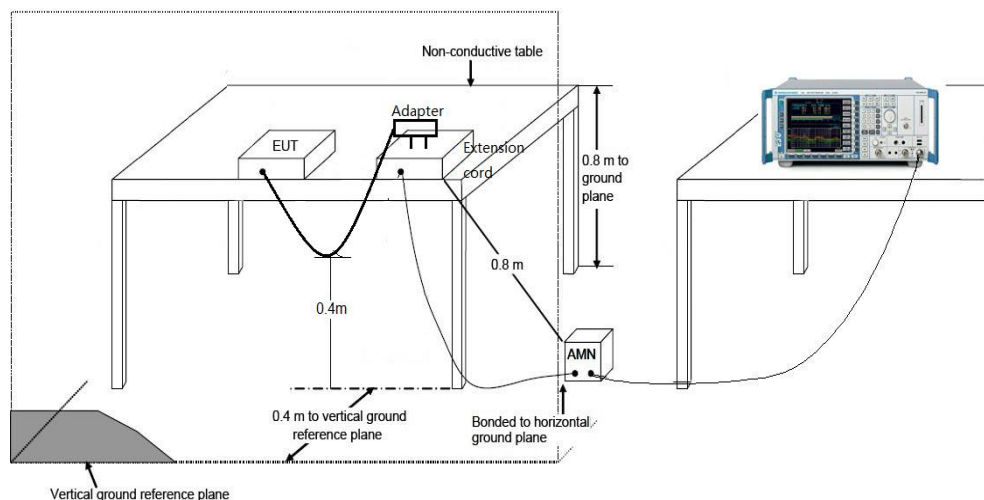
5.1.2 限制要求

以市電為電源之低功率射頻器材，其傳導回電源線上頻率自150kHz至30MHz之射頻電壓(在電源端子每一電源線對接地點)應小於或等於下表所列之限值。測量時應經過50微亨利(μH)及50歐姆(Ω)之電源線阻抗模擬網路(LISN)。頻率重疊處，以較低限值為準。

Frequency 頻率範圍 MHz	傳導限制值(dBuV)	
	準尖峰值	平均值
0.15 - 0.50	66-56 _(註)	56-46 _(註)
0.50-5.0	56	46
5.0 - 30	60	50

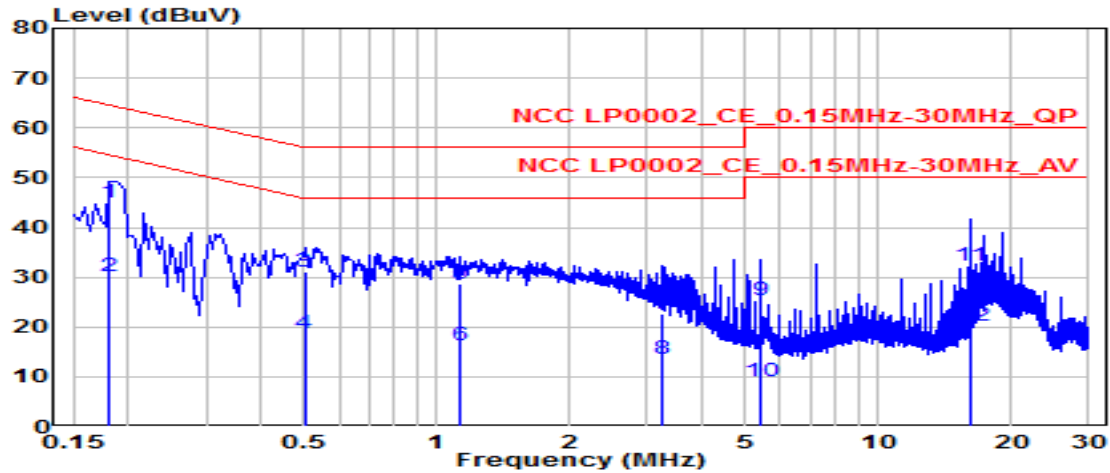
註:隨頻率之對數遞減

5.1.3 測試架構圖



5.1.4 電源端點測試結果

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-11
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	25.5°C /58%
Polarity	Line1	Site / Test Engineer	SR2 / Volvo
Test Mode	802.11n20_TX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

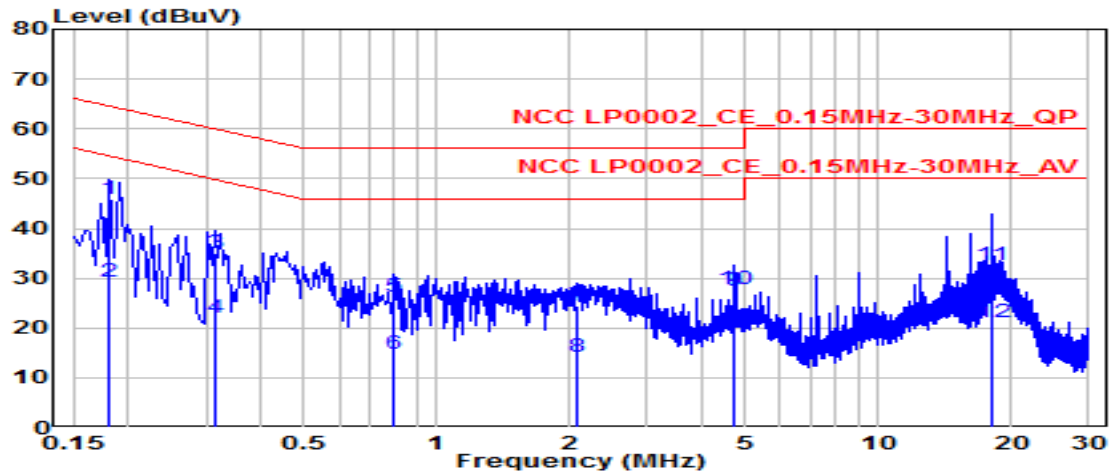


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	0.181	35.45	9.61	45.07	-19.35	64.42	QP
2	*	0.181	20.67	9.61	30.28	-24.14	54.42	Average
3		0.501	21.40	9.63	31.03	-24.97	56.00	QP
4		0.501	9.14	9.63	18.77	-27.23	46.00	Average
5		1.126	19.01	9.66	28.68	-27.32	56.00	QP
6		1.126	6.68	9.66	16.34	-29.66	46.00	Average
7		3.259	12.88	9.71	22.59	-33.41	56.00	QP
8		3.259	3.93	9.71	13.64	-32.36	46.00	Average
9		5.392	15.57	9.75	25.32	-34.68	60.00	QP
10		5.392	-0.57	9.75	9.18	-40.82	50.00	Average
11		16.164	22.39	9.93	32.32	-27.68	60.00	QP
12		16.164	10.15	9.93	20.09	-29.91	50.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-11
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	25.5°C /58%
Polarity	Neutral	Site / Test Engineer	SR2 / Volvo
Test Mode	802.11n20_TX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	0.181	36.20	9.62	45.81	-18.61	64.42	QP
2		0.181	19.82	9.62	29.43	-24.99	54.42	Average
3		0.316	25.53	9.62	35.15	-24.65	59.80	QP
4		0.316	12.48	9.62	22.10	-27.70	49.80	Average
5		0.798	16.51	9.66	26.17	-29.83	56.00	QP
6		0.798	5.16	9.66	14.82	-31.18	46.00	Average
7		2.076	14.79	9.69	24.48	-31.52	56.00	QP
8		2.076	4.51	9.69	14.20	-31.80	46.00	Average
9		4.744	17.79	9.74	27.53	-28.47	56.00	QP
10	*	4.744	18.03	9.74	27.77	-18.23	46.00	Average
11		18.018	22.68	10.02	32.69	-27.31	60.00	QP
12		18.018	11.15	10.02	21.16	-28.84	50.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

5.2 峰值傳導輸出功率

5.2.1 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀RF輸入端，設定頻譜分析儀之解析度頻寬大於6dB發射頻寬或使用峰值功率表。除使用上述測量方式外，並得使用以最大傳導輸出功率作為測量方式（最大傳導輸出功率必須使用依據均方根等效電壓校準之儀器測量於任何連續傳輸之時段，測量結果須依儀器限制（如偵測器反應時間、相較於發射頻寬有限之解析頻寬能力，靈敏度等）調整得出正確之峰值測量。

5.2.2 限制要求

1. 使用於5.15 GHz～5.25 GHz 頻段

(1)供戶外操作使用：

(A)最大傳導輸出功率應小於或等於1 W。

(B)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

(C)使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(D)在水平面仰角超過30 度時，其最大EIRP 應小於或等於21 dBm。

(2)供室內操作使用：

(A)最大傳導輸出功率應小於或等於1 W。

(B)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

(C)使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(3)供固定式點對點操作使用：

(A)最大傳導輸出功率應小於或等於1 W。

(B)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

(C)使用超過23 dBi 方向增益之指向性天線時，應依超過23 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(D)固定式點對點操作，不包括點對多點系統、全方向性應用及多台共站發射機傳送相同資訊。

(4)供用戶端裝置(Client Device)操作使用：

(A)最大傳導輸出功率應小於或等於250 mW。

(B)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於11 dBm。

(C)使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

2. 使用頻率於5.25 GHz～5.35 GHz 與5.470 GHz～5.725 GHz 頻段

(1)最大傳導輸出功率應小於或等於250 mW或11dBm+10log B (B 是26 dB發射頻寬，單位MHz)之較小者。

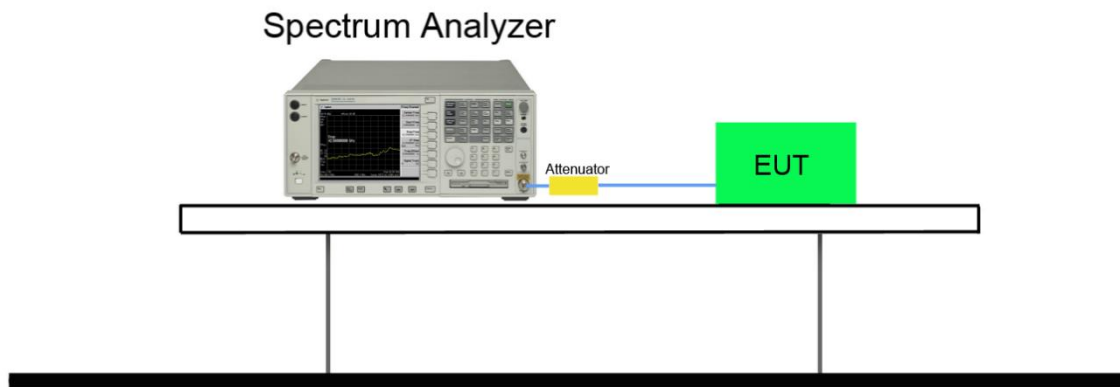
(2)最大功率頻譜密度在任何1 MHz 頻帶中應小於或等於11 dBm。

(3)使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

3. 使用頻率於5.725 GHz~5.850 GHz 頻段

- (1)最大傳導輸出功率應小於或等於1 W。
- (2)在任何500 kHz 頻帶中最大功率頻譜密度應小於或等於30 dBm。
- (3)供固定式點對點操作時，使用方向增益超過6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。
- (4)除(3)外，使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

5.2.3 測試架構圖



5.2.4 峰值傳導輸出功率測試結果

待測物名稱		ARTIS 觸控螢幕				測試日期			2021/8/25	
待測物型號		UNITY4 AS				溫度 / 濕度			23°C / 55%	
測試場地 / 測試工程師		SR2 / Fran								
5GHz 802.11a RF Output Power (dBm)										
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Required Limit
		6	9	12	18	24	36	48	54	
36	5180	7.60	--	--	--	--	--	--	--	24 dBm
44	5220	9.08	9.06	9.03	8.99	8.83	8.79	8.73	8.71	24 dBm
48	5240	9.30	--	--	--	--	--	--	--	24 dBm
52	5260	10.12	--	--	--	--	--	--	--	24 dBm
60	5300	10.99	10.94	10.87	10.83	10.75	10.71	10.68	10.64	24 dBm
64	5320	9.78	--	--	--	--	--	--	--	24 dBm
100	5500	5.35	--	--	--	--	--	--	--	24 dBm
120	5600	4.51	4.45	4.42	4.39	4.35	4.30	4.23	4.19	24 dBm
140	5700	4.34	--	--	--	--	--	--	--	24 dBm

備 註：

1. 此項量測係採用頻譜分析儀。
2. 此量測值已含工作週期因子及線材損耗(Band1,2 Cable Loss=1.2dB, Band3 Cable Loss=1.5dB)。

5GHz 802.11n-HT20 RF Output Power (dBm)										
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Required Limit
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	
36	5180	7.63	--	--	--	--	--	--	--	24 dBm
44	5220	9.32	9.21	9.16	9.09	9.03	8.95	8.87	8.79	24 dBm
48	5240	9.58	--	--	--	--	--	--	--	24 dBm
52	5260	6.74	--	--	--	--	--	--	--	24 dBm
60	5300	7.29	7.25	7.18	7.15	7.10	6.98	6.87	6.79	24 dBm
64	5320	7.54	--	--	--	--	--	--	--	24 dBm
100	5500	5.38	--	--	--	--	--	--	--	24 dBm
120	5600	4.75	4.72	4.63	4.56	4.47	4.43	4.37	4.33	24 dBm
140	5700	4.03	--	--	--	--	--	--	--	24 dBm

備 註：

1. 此項量測係採用頻譜分析儀。
2. 此量測值已含工作週期因子及線材損耗(Band1,2 Cable Loss=1.2dB, Band3 Cable Loss=1.5dB)。

5GHz 802.11ac-VHT20 RF Output Power (dBm)												
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)										Required Limit
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	
36	5180	7.08	--	--	--	--	--	--	--	--	--	24 dBm
44	5220	9.06	9.01	8.97	8.91	8.86	8.84	8.76	8.70	8.64	8.58	24 dBm
48	5240	9.21	--	--	--	--	--	--	--	--	--	24 dBm
52	5260	6.22	--	--	--	--	--	--	--	--	--	24 dBm
60	5300	7.17	7.12	7.06	7.01	6.89	6.83	6.79	6.75	6.73	6.67	24 dBm
64	5320	7.45	--	--	--	--	--	--	--	--	--	24 dBm
100	5500	5.22	--	--	--	--	--	--	--	--	--	24 dBm
120	5600	4.45	4.40	4.33	4.29	4.22	4.16	4.12	4.07	4.02	3.98	24 dBm
140	5700	3.90	--	--	--	--	--	--	--	--	--	24 dBm

備 註：

1. 此項量測係採用頻譜分析儀。
2. 此量測值已含工作週期因子及線材損耗(Band1,2 Cable Loss=1.2dB, Band3 Cable Loss=1.5dB)。

5GHz 802.11n-HT40 RF Output Power (dBm)												
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Required Limit		
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7			
38	5190	1.79	--	--	--	--	--	--	--	24 dBm		
46	5230	2.55	2.47	2.41	2.37	2.33	2.27	2.22	2.13	24 dBm		
54	5270	3.45	--	--	--	--	--	--	--	24 dBm		
62	5310	4.06	4.00	3.96	3.92	3.87	3.74	3.66	3.59	24 dBm		
102	5510	3.94	--	--	--	--	--	--	--	24 dBm		
110	5550	3.62	3.57	3.50	3.44	3.37	3.32	3.27	3.23	24 dBm		
134	5670	2.62	--	--	--	--	--	--	--	24 dBm		
142	5710	2.70	--	--	--	--	--	--	--	24 dBm		
5GHz 802.11ac-VHT40 RF Output Power (dBm)												
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)										Required Limit
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	
38	5190	1.80	--	--	--	--	--	--	--	--	--	24 dBm
46	5230	2.34	2.28	2.22	2.18	2.16	2.11	2.04	1.99	1.95	1.92	24 dBm
54	5270	3.40	--	--	--	--	--	--	--	--	--	24 dBm
62	5310	3.95	3.89	3.83	3.78	3.69	3.61	3.57	3.52	3.48	3.42	24 dBm
102	5510	3.92	--	--	--	--	--	--	--	--	--	24 dBm
110	5550	3.49	3.45	3.39	3.36	3.32	3.28	3.24	3.20	3.15	3.10	24 dBm
134	5670	2.55	--	--	--	--	--	--	--	--	--	24 dBm
142	5710	2.57	--	--	--	--	--	--	--	--	--	24 dBm

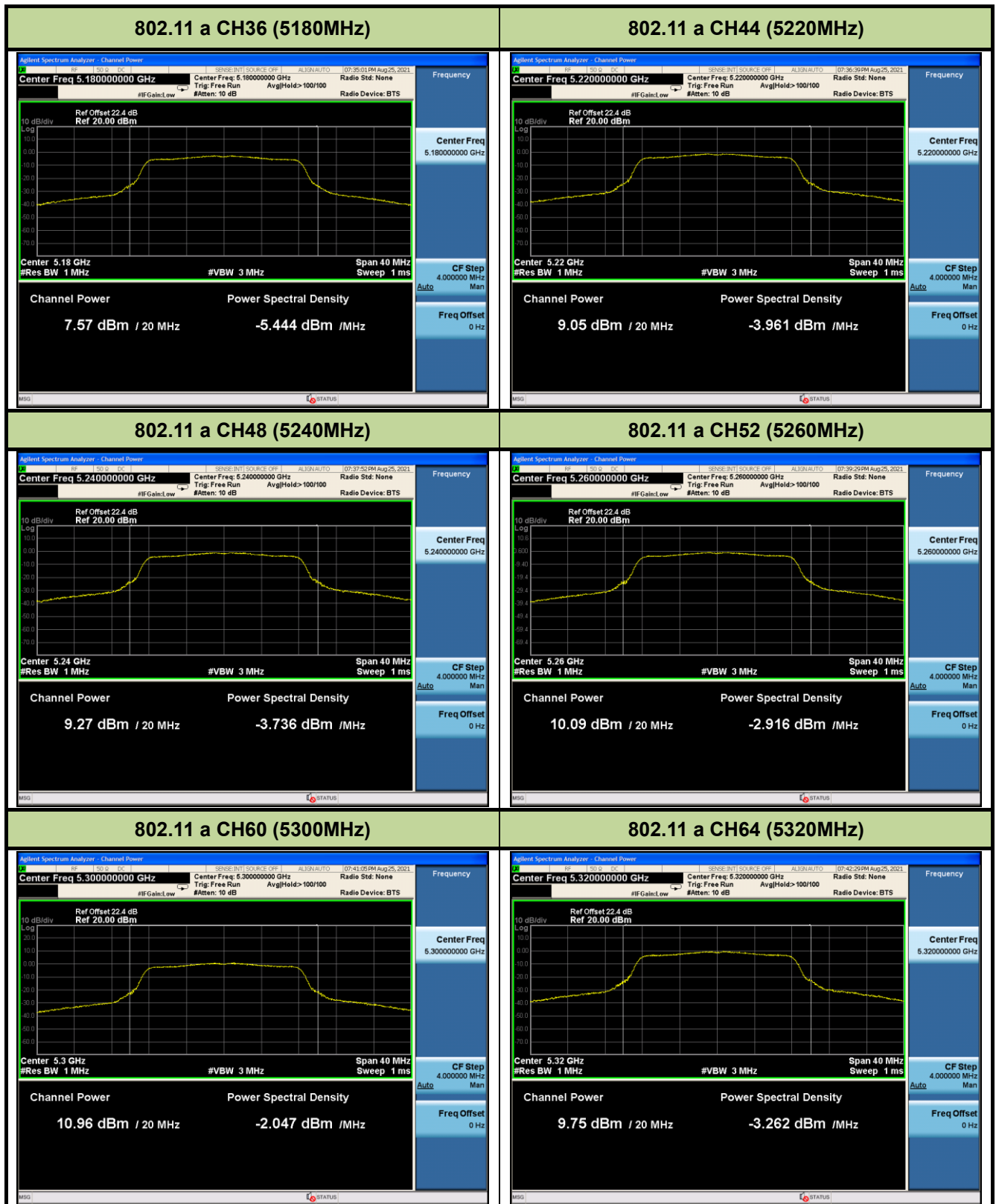
備註：

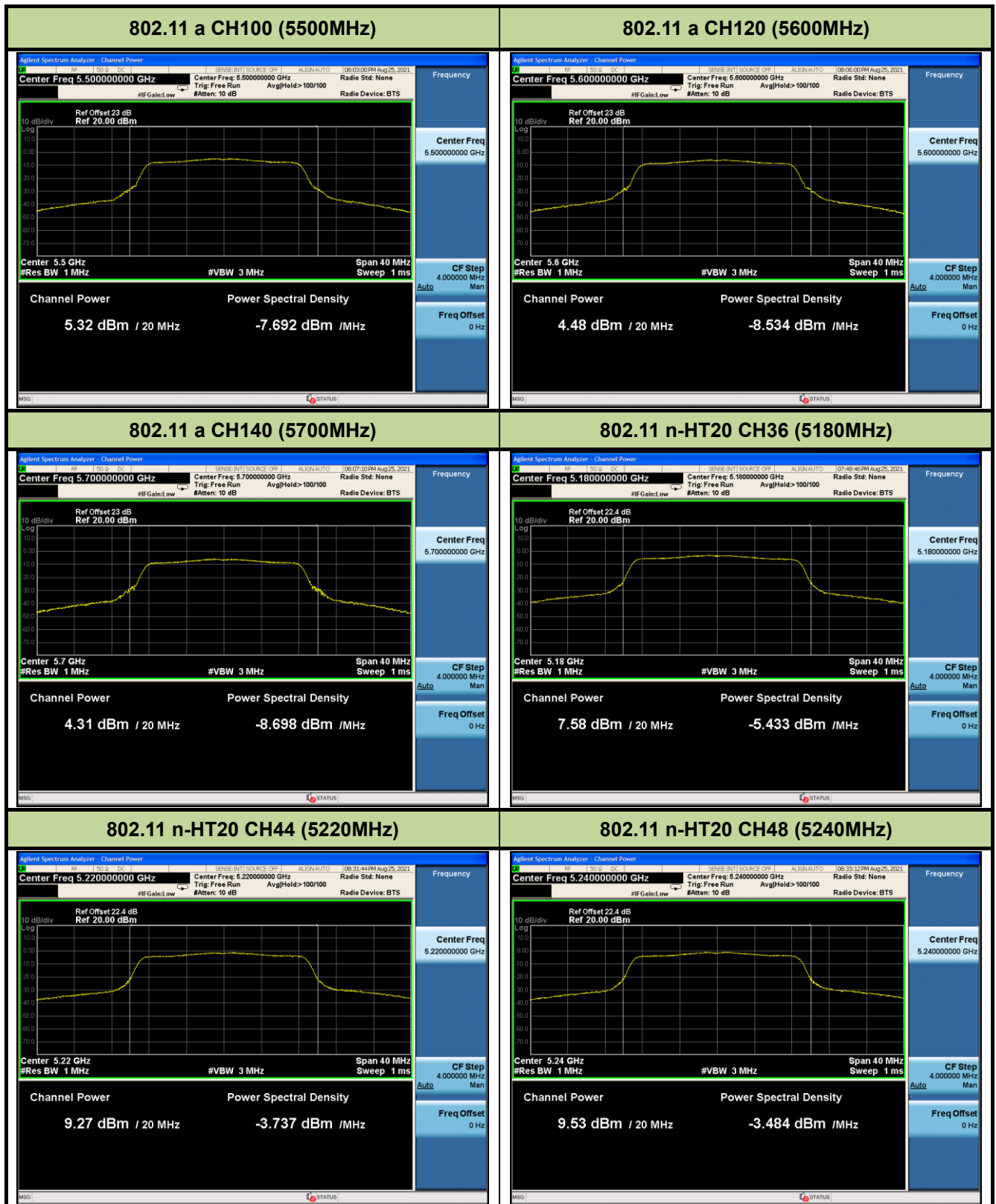
1. 此項量測係採用頻譜分析儀。
2. 此量測值已含工作週期因子及線材損耗(Band1,2 Cable Loss=1.2dB, Band3 Cable Loss=1.5dB)。

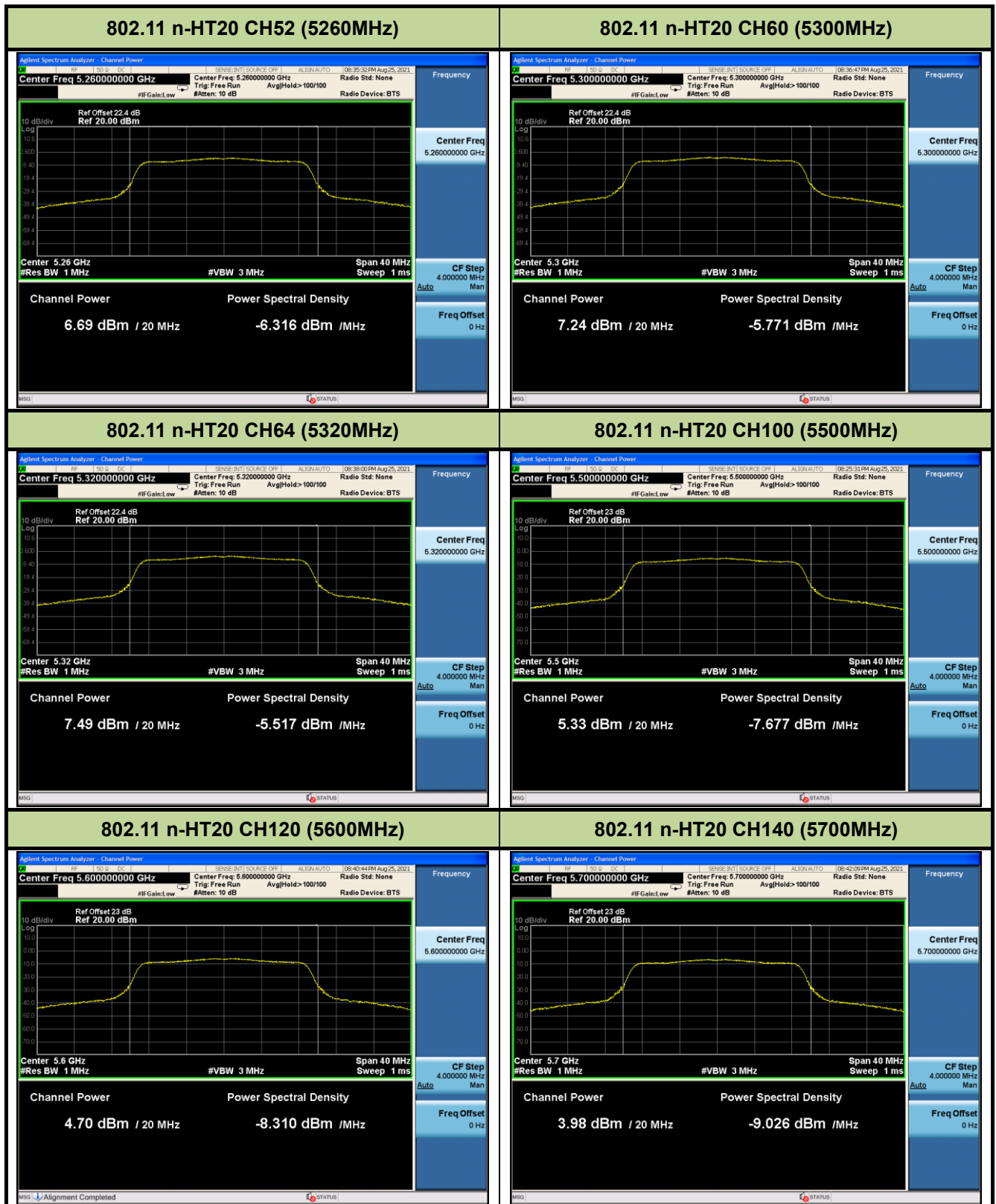
5GHz 802.11ac-VHT80 RF Output Power (dBm)												
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)										Required Limit
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	
42	5210	1.76	--	--	--	--	--	--	--	--	--	24 dBm
58	5290	1.18	1.15	1.11	1.06	0.99	0.96	0.91	0.86	0.82	0.78	24 dBm
106	5530	3.64	--	--	--	--	--	--	--	--	--	24 dBm
122	5610	3.08	3.03	2.98	2.94	2.87	2.82	2.76	2.70	2.64	2.58	24 dBm
138	5690	2.45	--	--	--	--	--	--	--	--	--	24 dBm

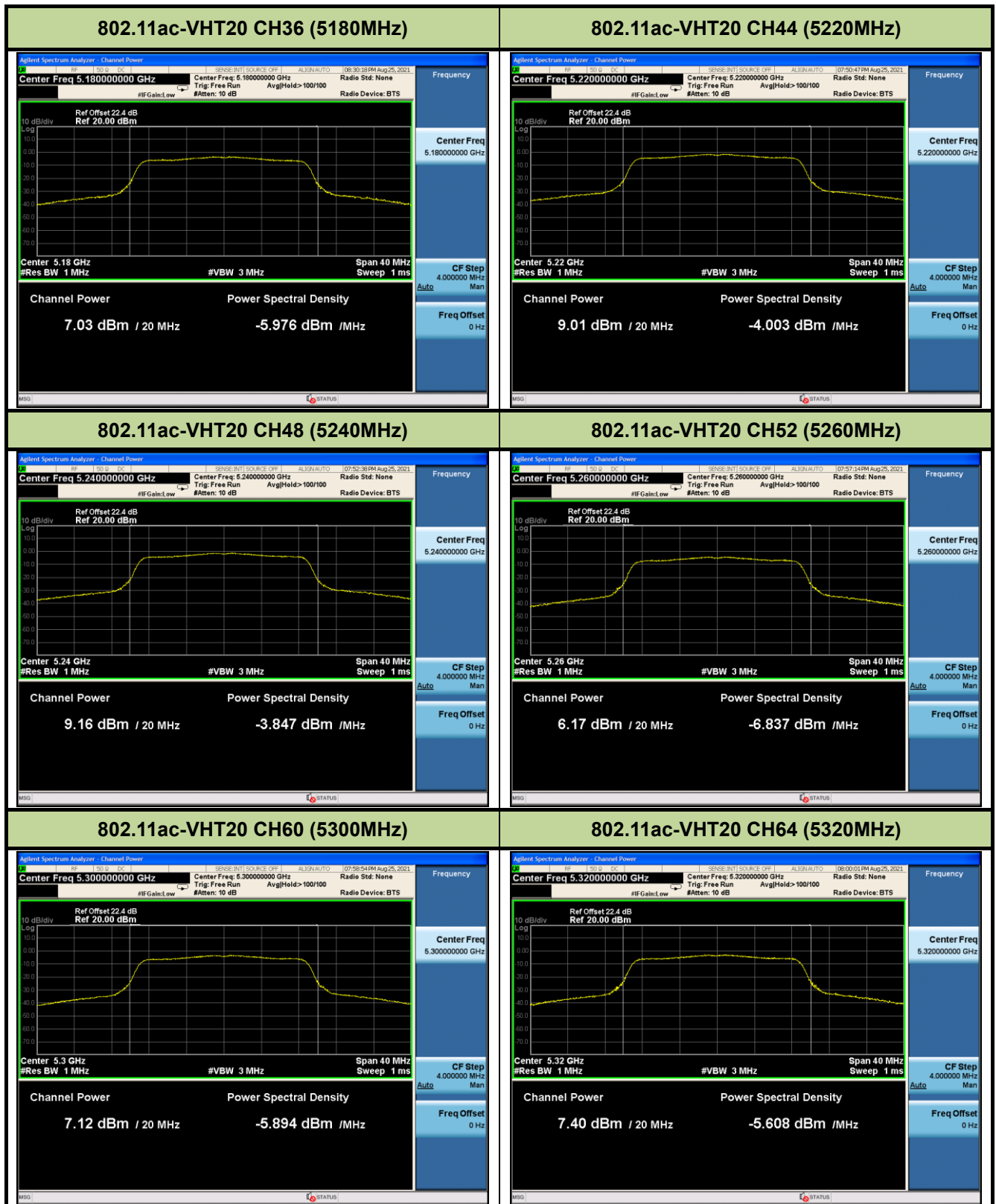
備 註：

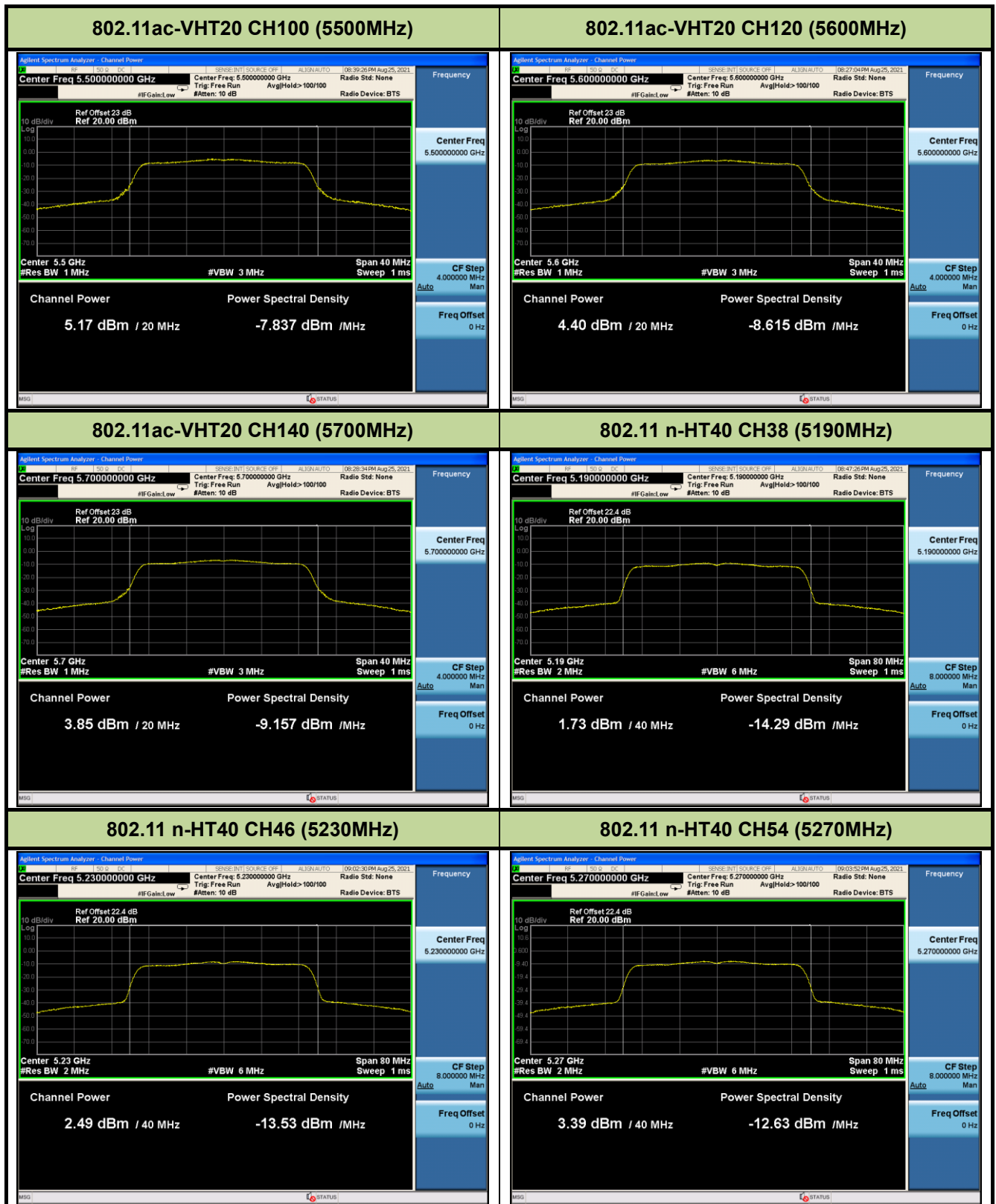
1. 此項量測係採用頻譜分析儀。
2. 此量測值已含工作週期因子及線材損耗(Band1,2 Cable Loss=1.2dB, Band3 Cable Loss=1.5dB)。



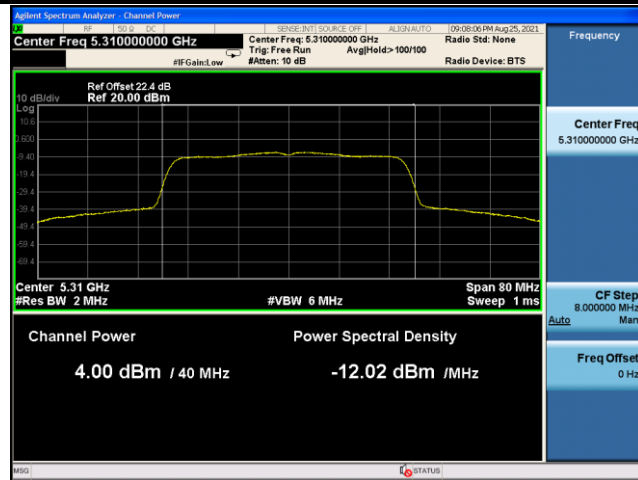




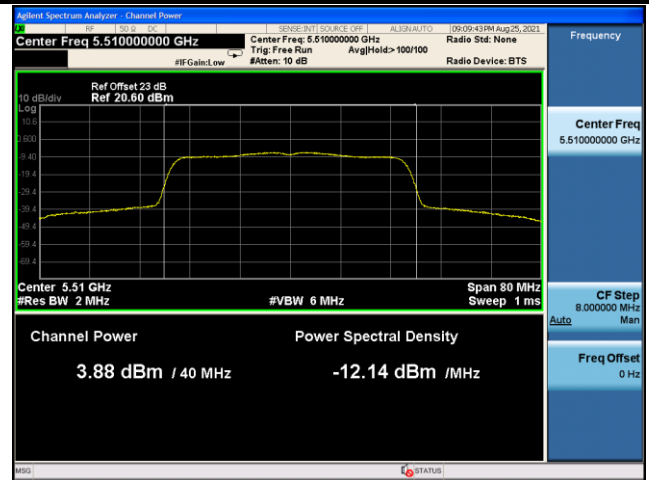




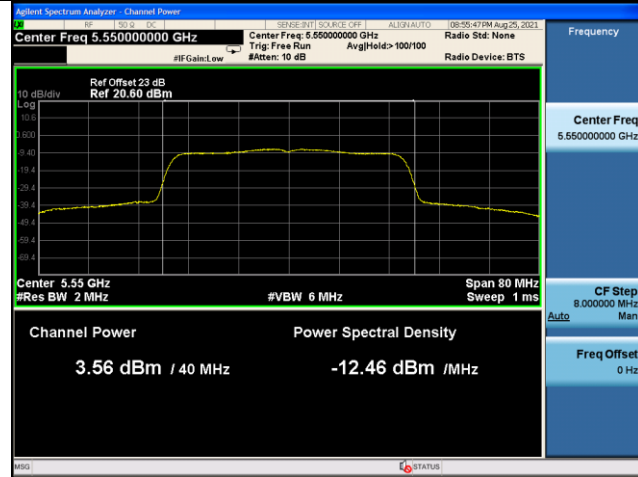
802.11 n-HT40 CH62 (5310MHz)



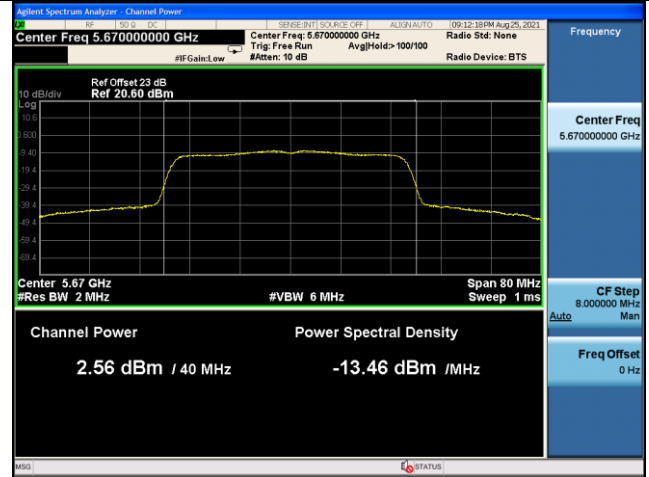
802.11 n-HT40 CH102 (5510MHz)



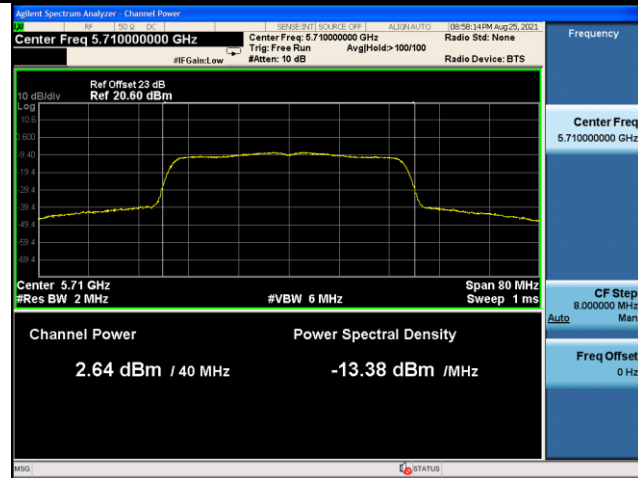
802.11 n-HT40 CH110 (5550MHz)



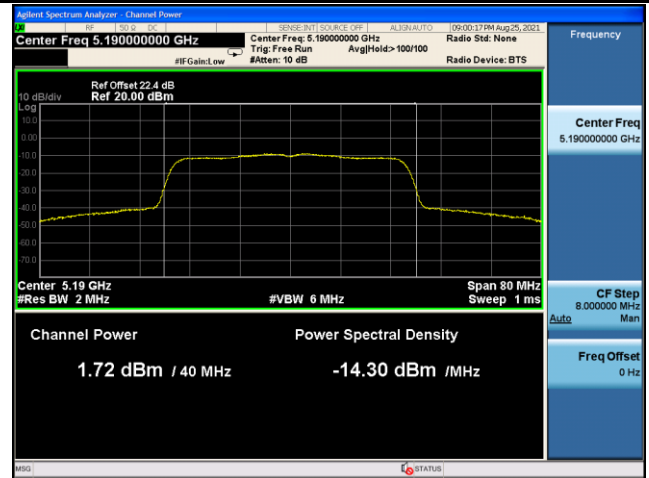
802.11 n-HT40 CH134 (5670MHz)

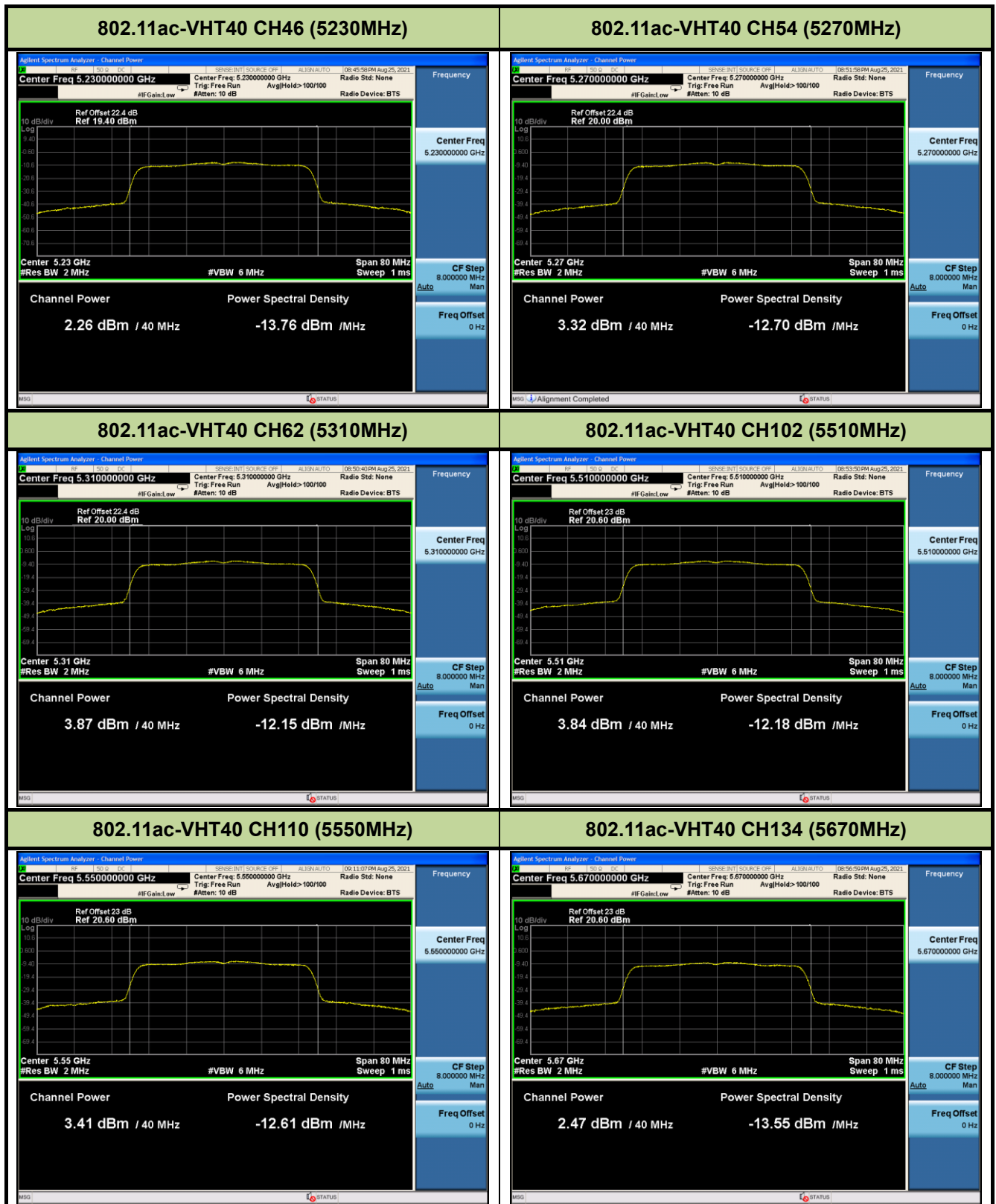


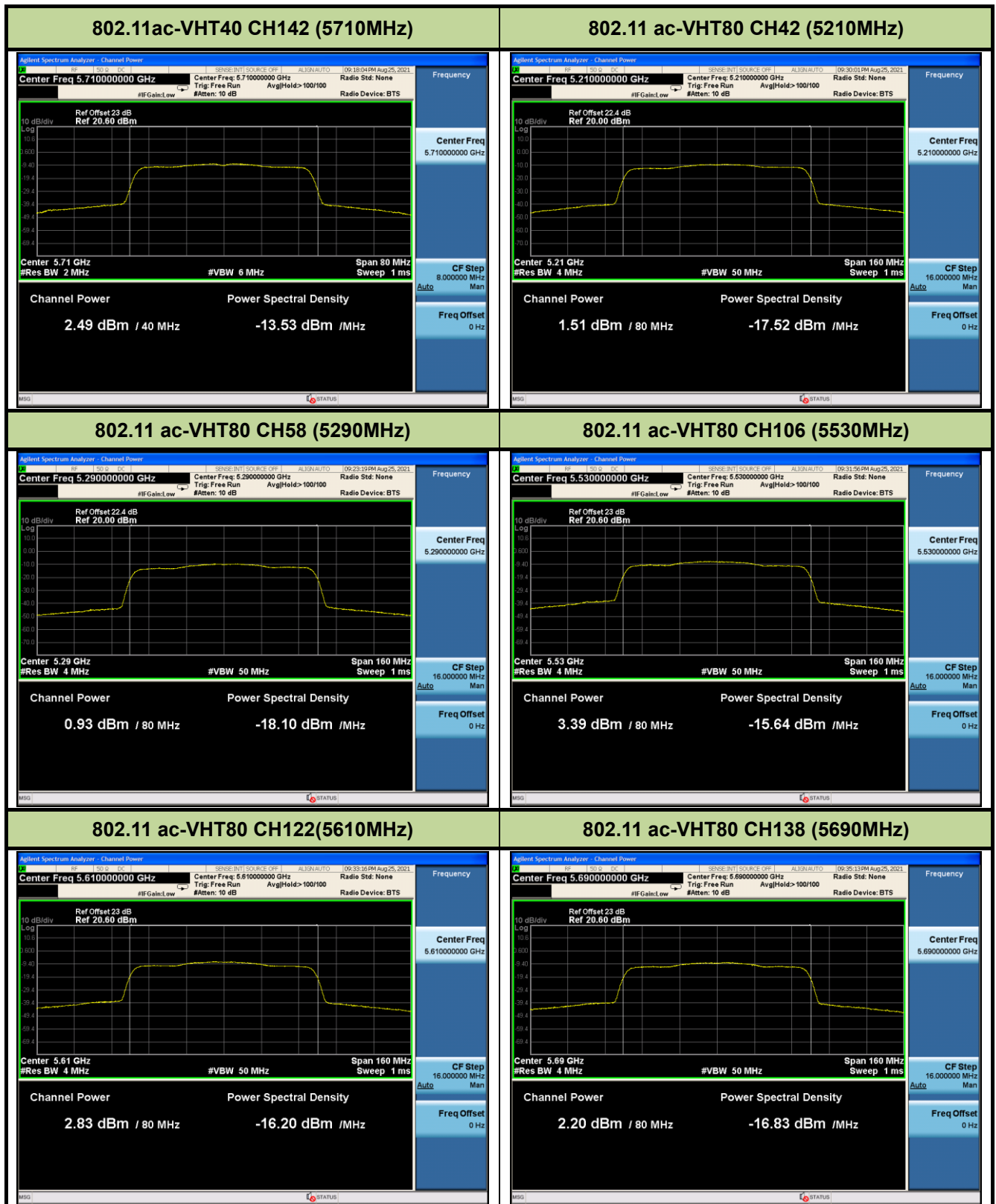
802.11 n-HT40 CH142 (5710MHz)



802.11 ac-VHT40 CH38 (5190MHz)







5.3 天線之要求

5.3.1 限制要求

依據國家通訊傳播委員會低功率射頻器材技術規範之第5.7.8節規定，天線之規格可不受下述規定之限制。

低功率射頻器材之發射機或收發信機所使用之天線，應為全固定、半固定式或以獨特之耦合(unique coupling)方式連接機體。製造者可設計供使用者因損壞而替換之天線，但不得設計或使用原認證以外之天線或可供引接各類電纜之標準天線插座或電氣連接頭，如：BNC、F type、N type、M type、UG type、RCA、SMA、SMB...等及其他各類工業或通訊標準接頭。

5.3.2 天線樣式

此 ARTIS 觸控螢幕 其天線為 Chip Antenna Type，(檢附天線規格書)

Antenna List

No.	Brand	Part No.	Peak Gain
1	Pulse	W3006	4.2dBi

5.4 輻射電場強度

5.4.1 量測方法

待測物置於非導體桌面（落地型產品置於地上），受測物使用交流電源時，將其與任何配件設備之電源線連接至位於旋轉桌的交流電源。受測物使用電池時，測試時應裝置新電池或充電完全的電池。受測物與配件設備之電源線無須束綁，桌面上受測設備的所有電源線由桌子的後緣垂下沿旋轉桌表面接至交流插座。落地型設備的交流電源線可以方便的型態走線。桌面可 360 度旋轉，接收天線置於距待測物 3m 距離，高度可在 1 至 4 公尺間變動，以量測待測物之最大輻射電場強度，接收天線並應於水平及垂直極化方向各量測一次。（待測物擺設方式根據 ANSI C63.10-2013 版本，待測物放置桌中心，1G 以下擺設高度為 80cm/1G 以上擺設高度為 150cm）

- (1) 任一頻率小於或等於 1000 MHz 之訊號,使用 CISPR 準峰值檢波器
- (2) 任一頻率大於 1000 MHz 之訊號，使用平均值檢波器測量，當規定之發射限制值為平均值時(含 1000 MHz 以下)，受測訊號藉由峰值檢波器(RBW:1MHz,VBW:3MHz)所測量之峰值，亦須符合峰值發射限制值，其峰值發射限制值為最大容許平均值加 20 dB。

備註: 若為手持式或穿戴式之裝置，需對其三個正交軸的方位評估測試，並記錄最差的數值。

5.4.2 限制要求

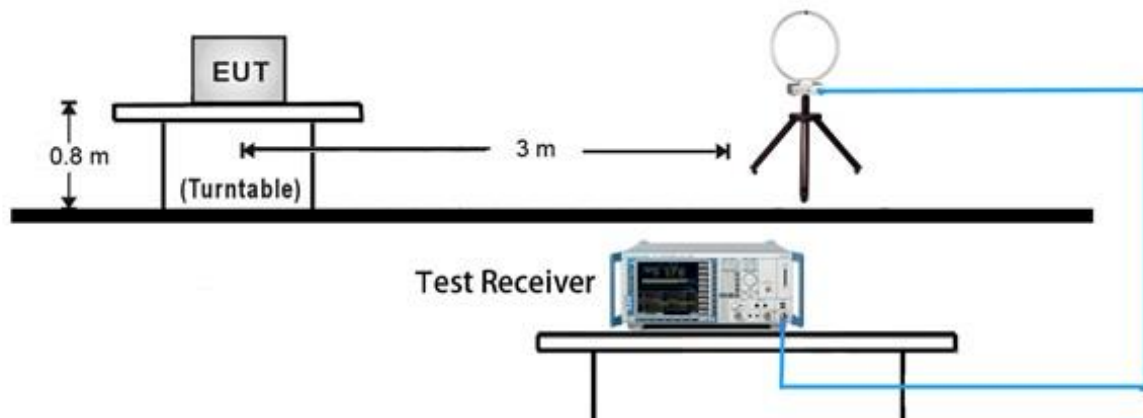
其電場強度不得超過下表之限值，且其不必要之發射皆不得大於主波發射強度。各頻段重疊處，以較嚴格之限制值為準。

頻率(f) (MHz)	電場強度 (微伏特/公尺, $\mu\text{V/m}$)	測距 (公尺)
$0.009 \leq f \leq 0.490$	$2400/f(\text{kHz})$	300
$0.490 < f \leq 1.705$	$24000/f(\text{kHz})$	30
$1.705 < f < 30$	30	30
$30 \leq f \leq 88$	100	3
$88 < f \leq 216$	150	3
$216 < f \leq 960$	200	3
$960 < f$	500	3

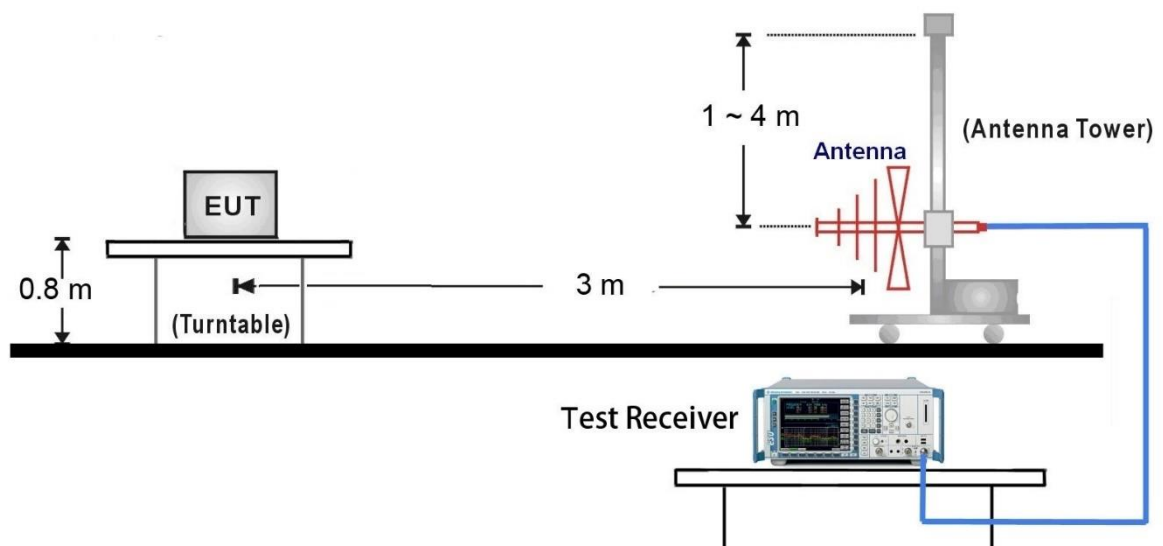
上表規定之電場強度，發射頻率在 9 kHz~90 kHz、110 kHz~490 kHz 及 1000MHz 以上者，其量測應以平均值檢波器為基準，且須符合低功率射頻器材技術規範第 6.14.節之規定；其他發射頻率，應以 CISPR 準峰值(quasi-peak) 檢波器測量；非以上表所指定之距離測量時，應符合第 6.5 節之規定，而輻射發射之量測頻率範圍須符合低功率射頻器材技術規範第 6.12 節之規定。

5.4.3 測試架構圖

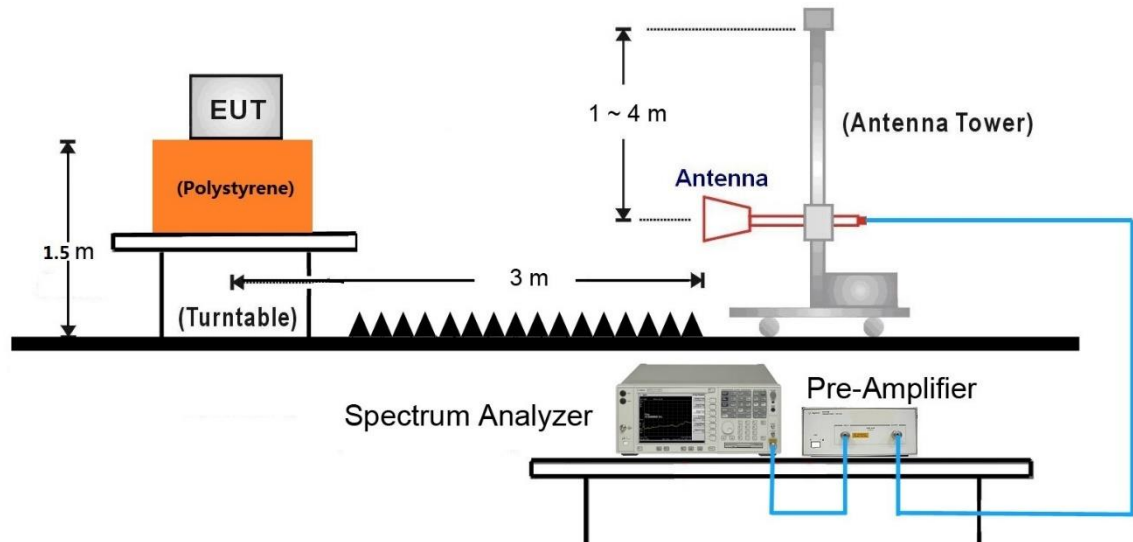
Under 30MHz Test



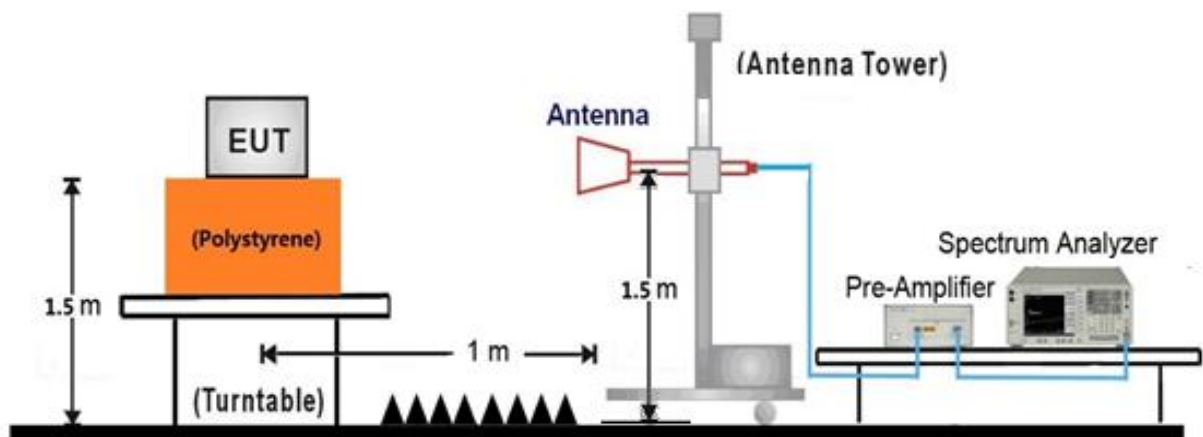
Under 1GHz Test Setup



1GHz ~ 18GHz Test Setup:

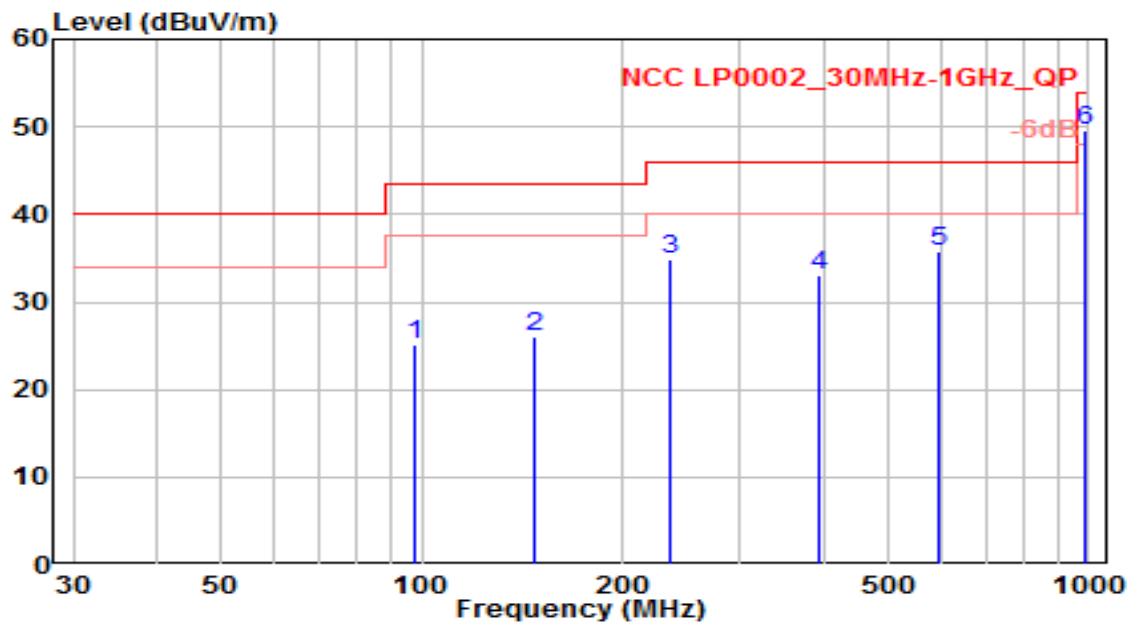


18GHz ~ 25GHz Test Setup:



5.4.4 輻射電場強度測試結果

EUT	ARTIS 觸控螢幕	Date of Test	2021-09-06
Factor	VULB 9162	Temp. / Humidity	23°C / 62%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	802.11n-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

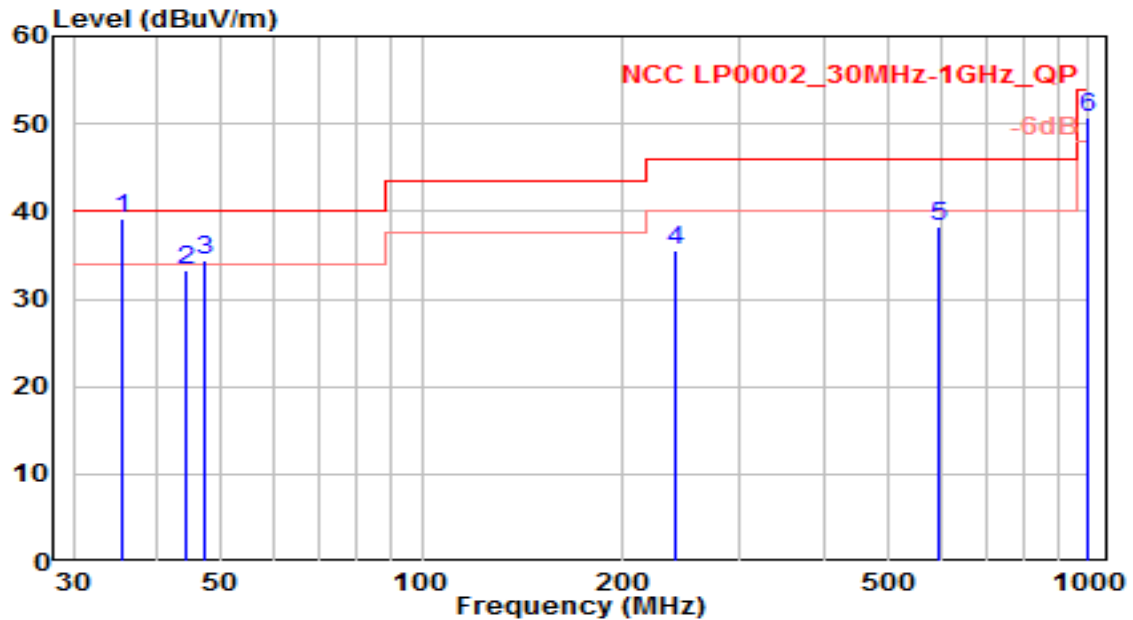


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	97.156	6.56	18.53	25.09	-18.41	43.50	100	245	QP
2	147.562	10.16	15.99	26.14	-17.36	43.50	100	350	QP
3	236.295	14.84	20.00	34.84	-11.16	46.00	100	125	QP
4	395.321	9.19	23.98	33.17	-12.83	46.00	100	160	QP
5	594.566	8.16	27.69	35.85	-10.15	46.00	100	180	QP
6 *	990.543	16.70	32.80	49.50	-4.50	54.00	100	340	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-09-06
Factor	VULB 9162	Temp. / Humidity	23°C /62%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	802.11n-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

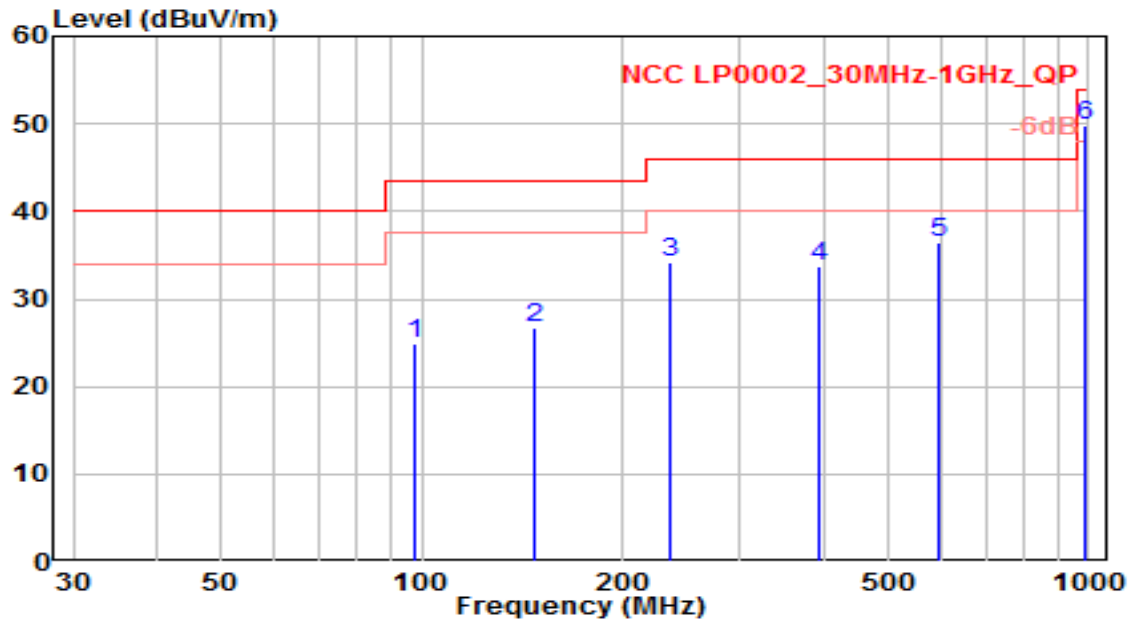


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 35.642	19.58	19.54	39.13	-0.87	40.00	100	215	QP
2	44.124	11.56	21.67	33.23	-6.77	40.00	100	230	QP
3	47.345	12.46	21.92	34.38	-5.62	40.00	100	50	QP
4	239.342	15.49	20.17	35.65	-10.35	46.00	100	265	QP
5	594.158	10.56	27.68	38.24	-7.76	46.00	100	255	QP
6	995.153	17.95	32.87	50.82	-3.18	54.00	100	360	QP

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-09-06
Factor	VULB 9162	Temp. / Humidity	23°C / 62%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	802.11n-20MHz_RX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

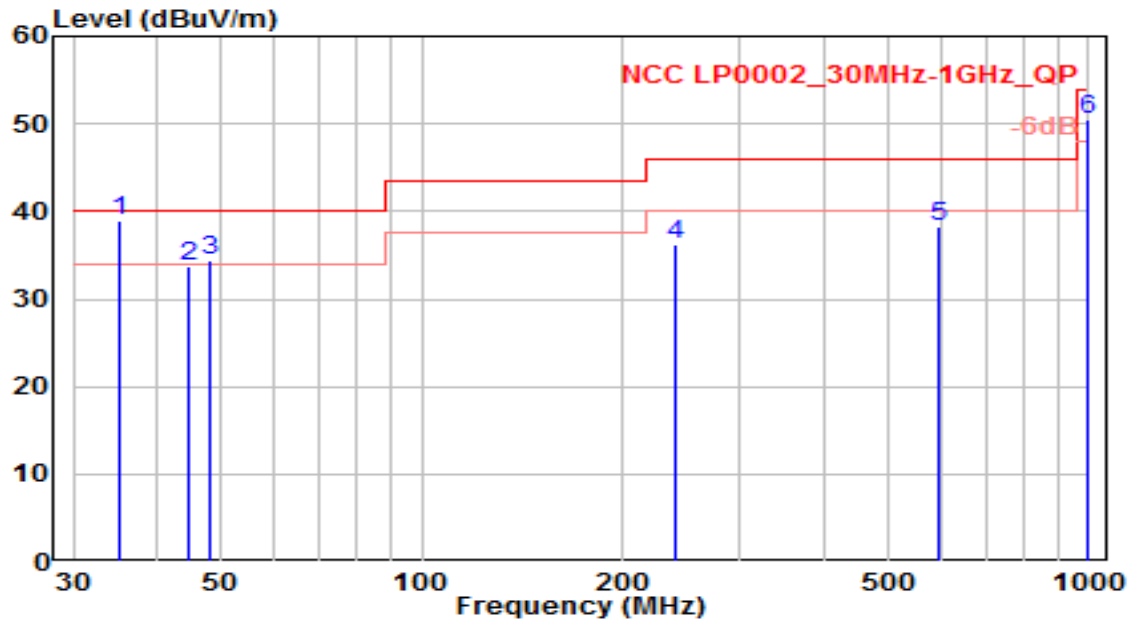


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	97.945	6.16	18.71	24.87	-18.63	43.50	100	250	QP
2	147.457	10.65	15.99	26.64	-16.86	43.50	100	355	QP
3	236.157	14.26	20.00	34.25	-11.75	46.00	100	130	QP
4	395.648	9.65	23.99	33.64	-12.36	46.00	100	165	QP
5	594.649	8.65	27.69	36.35	-9.65	46.00	100	185	QP
6	* 990.466	16.96	32.80	49.76	-4.24	54.00	100	345	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-09-06
Factor	VULB 9162	Temp. / Humidity	23°C /62%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	802.11n-20MHz_RX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

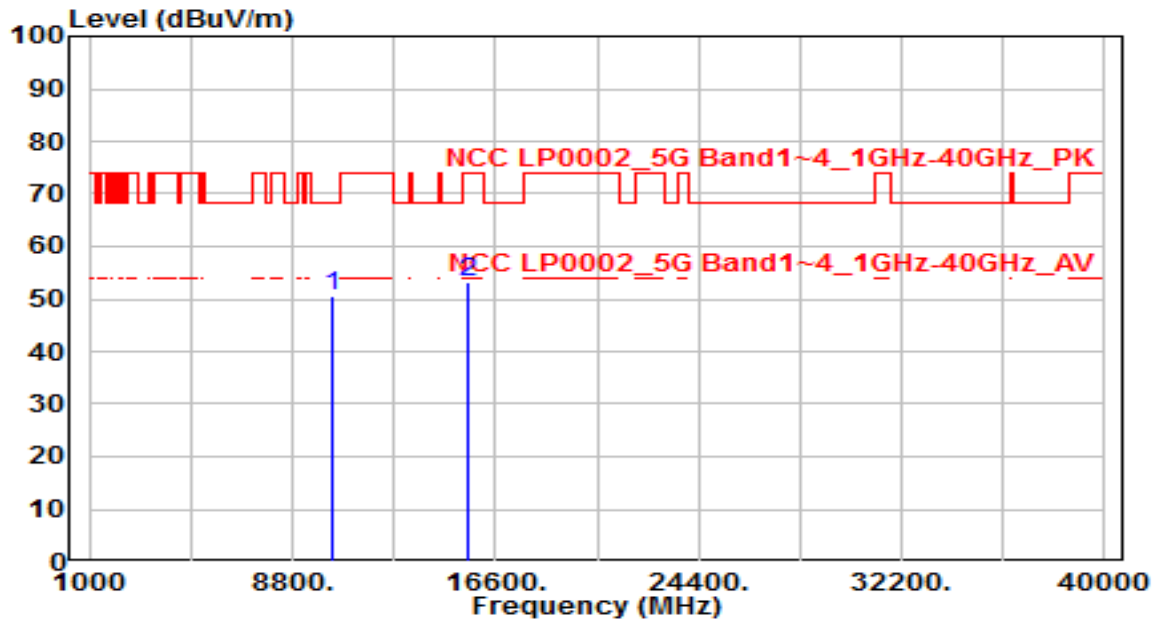


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 35.153	19.65	19.37	39.02	-0.98	40.00	100	220	QP
2	44.656	11.95	21.75	33.70	-6.30	40.00	100	235	QP
3	47.946	12.38	21.95	34.33	-5.67	40.00	100	55	QP
4	239.486	15.95	20.17	36.13	-9.87	46.00	100	270	QP
5	594.514	10.60	27.69	38.29	-7.71	46.00	100	260	QP
6	995.456	17.55	32.88	50.42	-3.58	54.00	100	5	QP

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

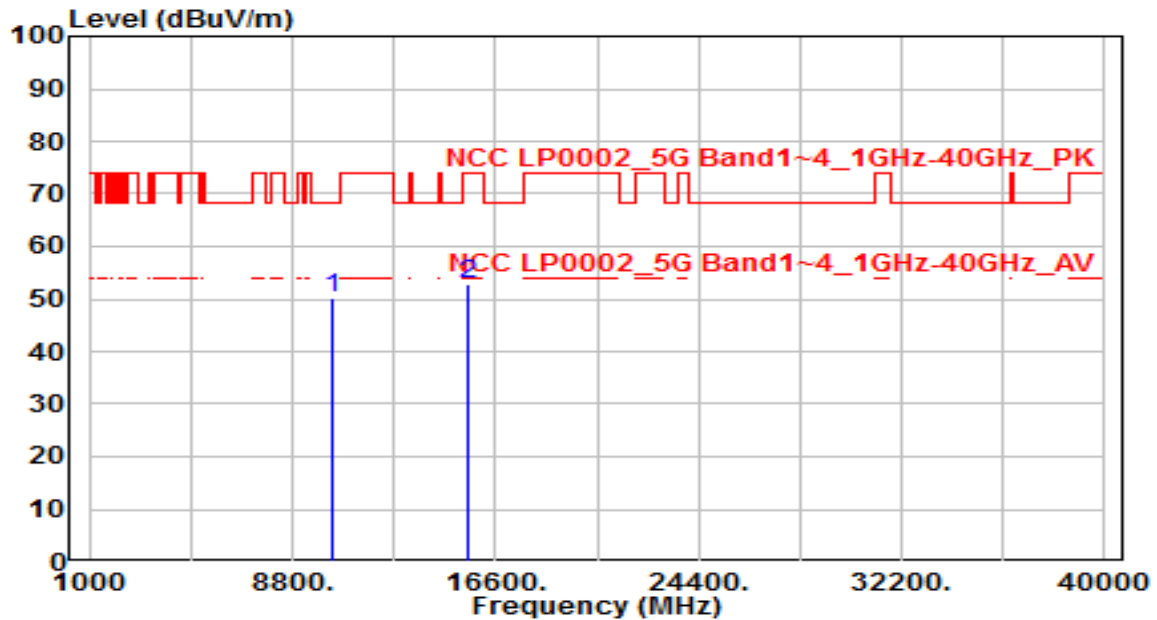


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10360.000	32.60	18.01	50.61	-17.59	68.20	150	360	Peak
2	15540.000	31.92	21.25	53.17	-20.83	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

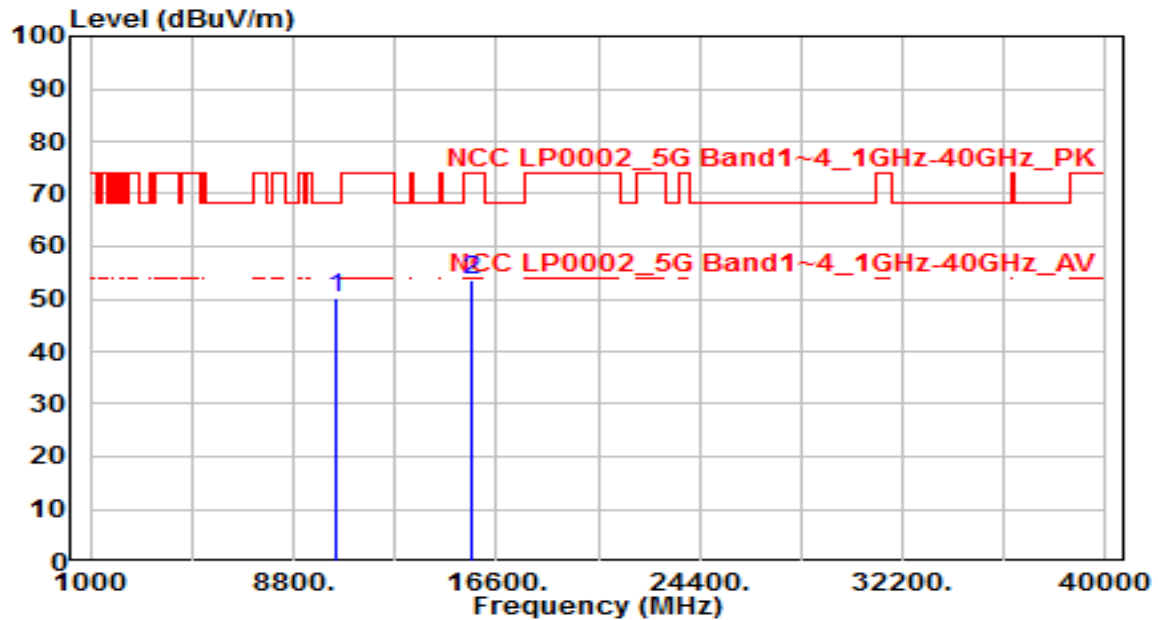


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10360.000	32.33	18.01	50.33	-17.87	68.20	150	360	Peak
2	15540.000	31.68	21.25	52.93	-21.07	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

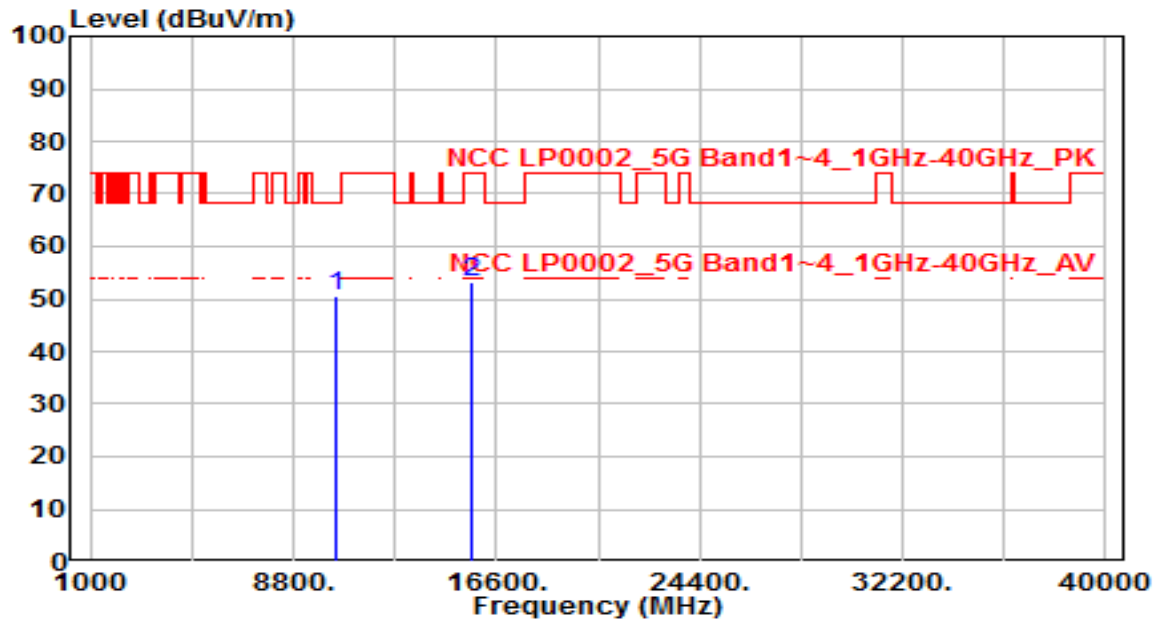


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10440.000	31.87	18.33	50.20	-18.00	68.20	150	360	Peak
2	15660.000	32.70	20.95	53.66	-20.34	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

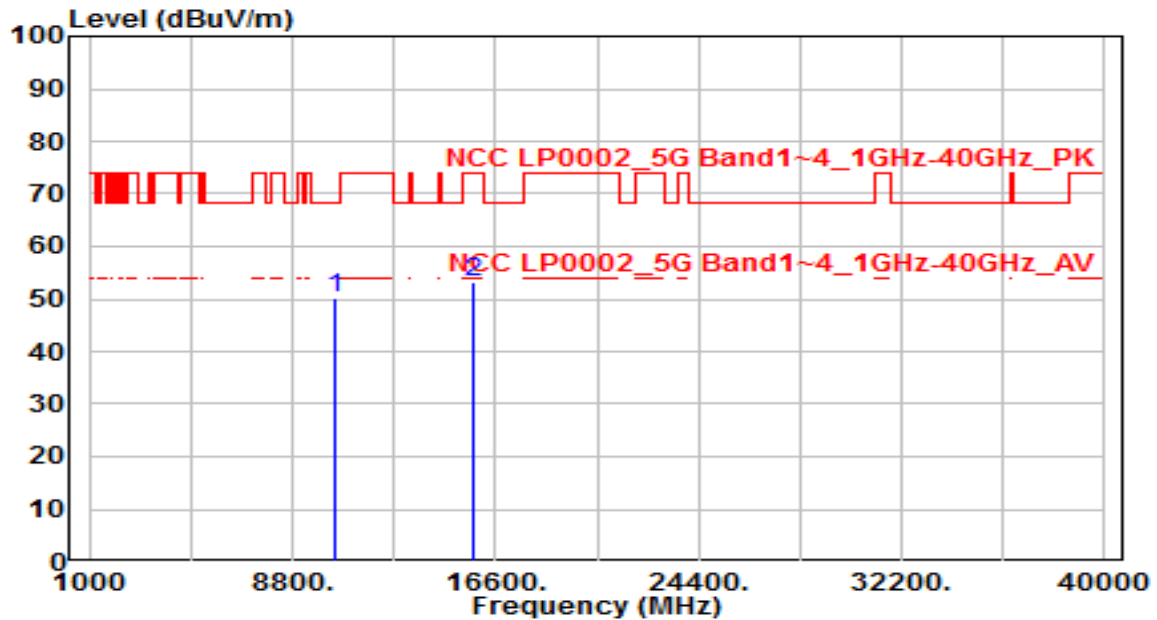


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10440.000	32.08	18.33	50.41	-17.79	68.20	150	360	Peak
2	15660.000	32.08	20.95	53.03	-20.97	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band1_CH 48_ANT 0	Test Voltage	AC 110V/60Hz

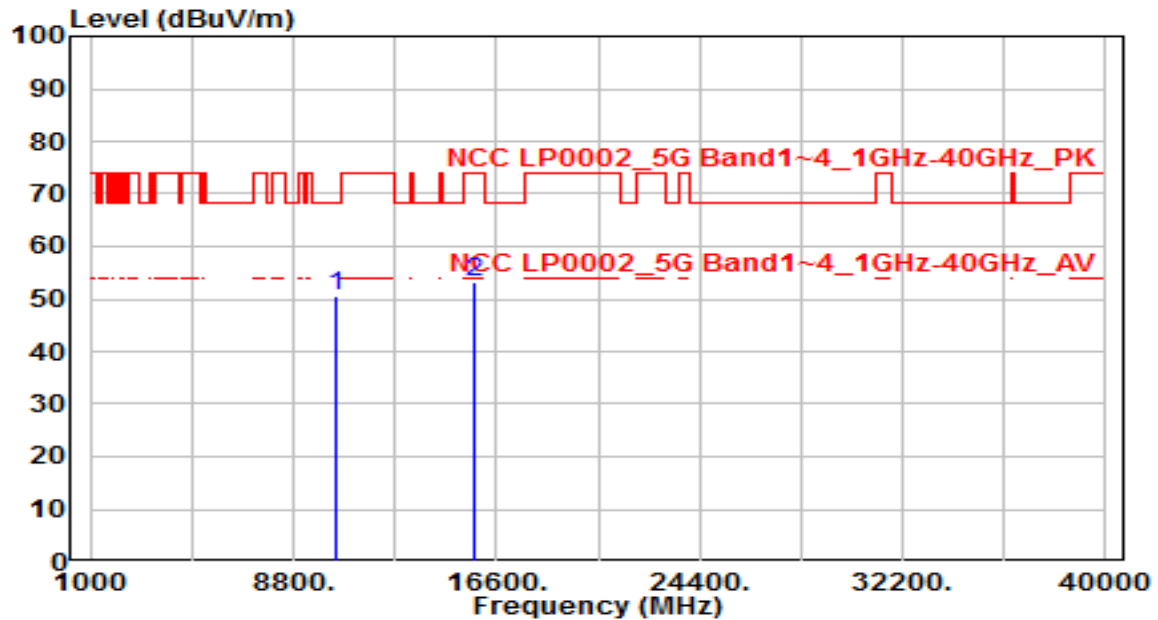


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10480.000	31.61	18.49	50.09	-18.11	68.20	150	360	Peak
2	15720.000	32.27	20.80	53.08	-20.92	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band1_CH 48_ANT 0	Test Voltage	AC 110V/60Hz

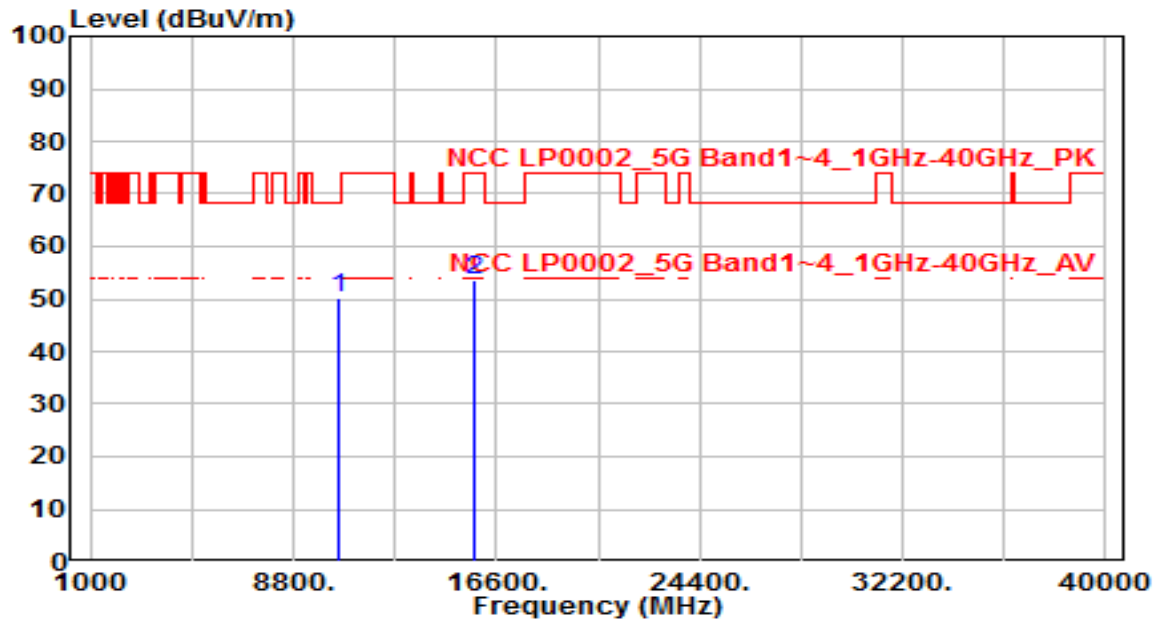


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10480.000	32.24	18.49	50.73	-17.47	68.20	150	360	Peak
2	15720.000	32.23	20.80	53.04	-20.96	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band2_CH 52_ANT 0	Test Voltage	AC 110V/60Hz

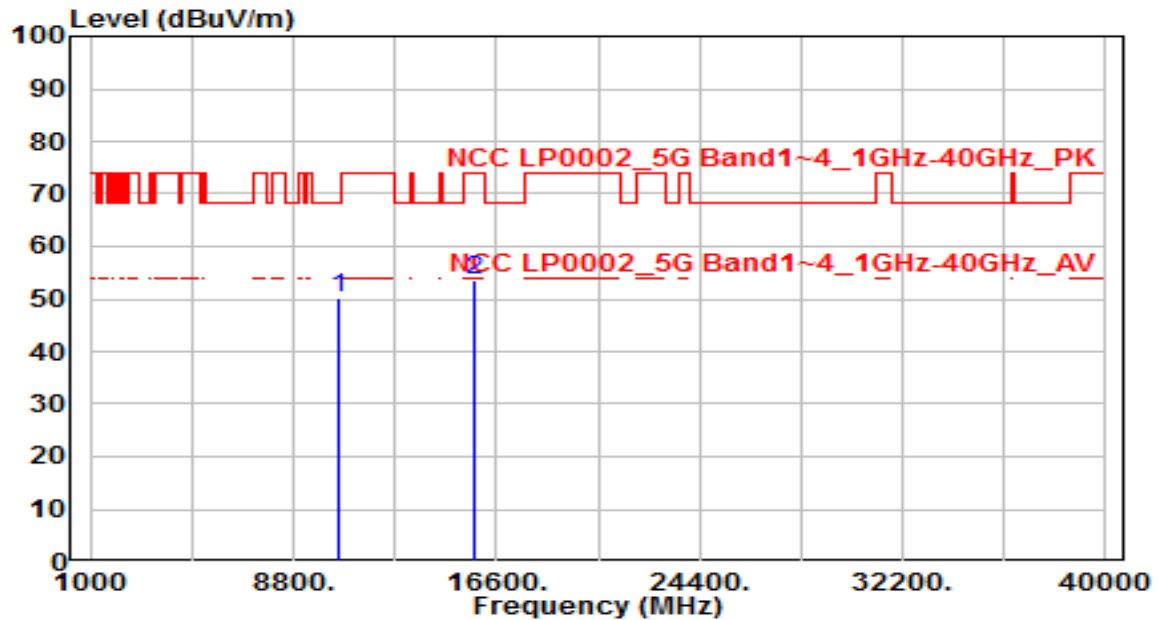


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10520.000	31.52	18.60	50.12	-18.08	68.20	150	360	Peak
2	15780.000	32.75	20.66	53.41	-20.59	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band2_CH 52_ANT 0	Test Voltage	AC 110V/60Hz

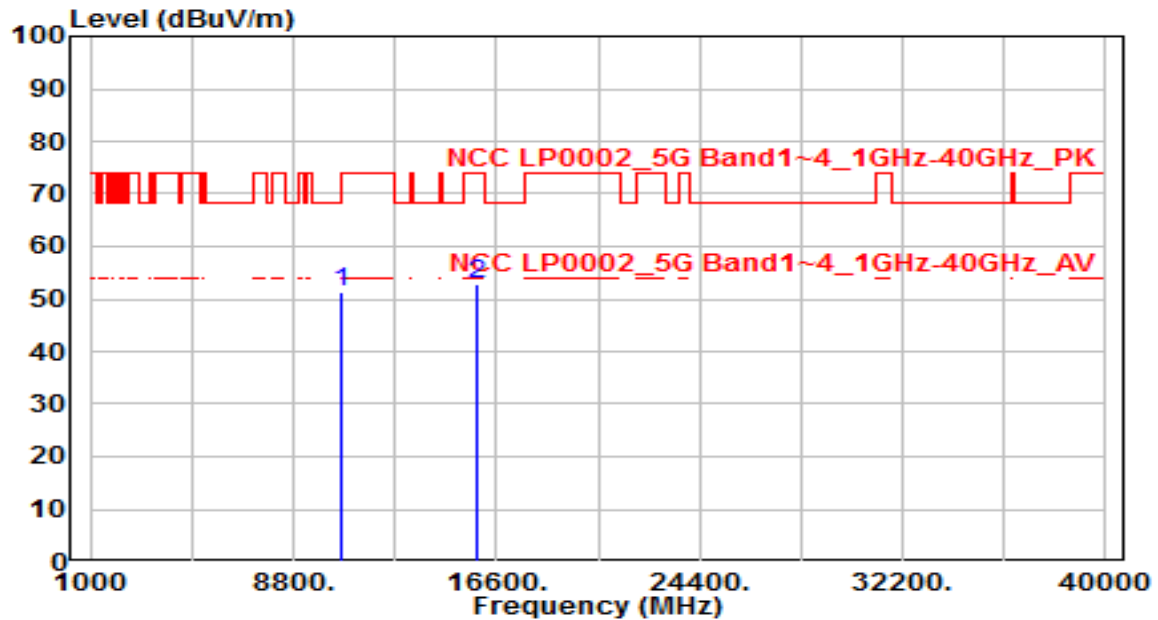


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10520.000	31.52	18.60	50.12	-18.08	68.20	150	360	Peak
2	15780.000	32.90	20.66	53.55	-20.45	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band2_CH 60_ANT 0	Test Voltage	AC 110V/60Hz

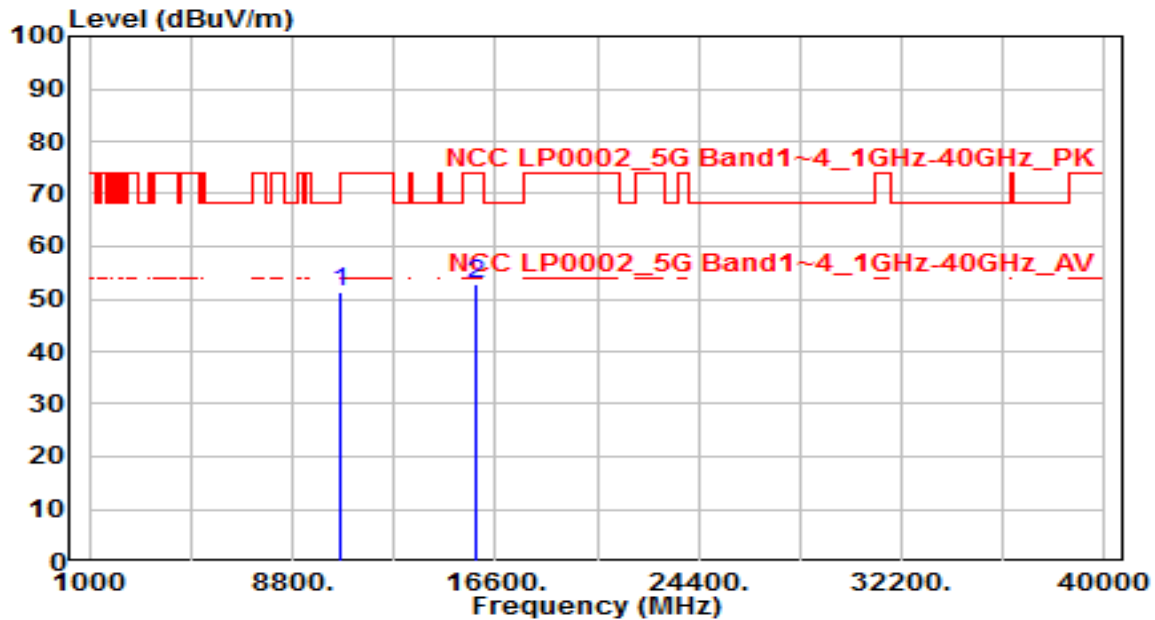


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10600.000	32.56	18.71	51.27	-16.93	68.20	150	360	Peak
2	15900.000	32.54	20.36	52.90	-21.10	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band2_CH 60_ANT 0	Test Voltage	AC 110V/60Hz

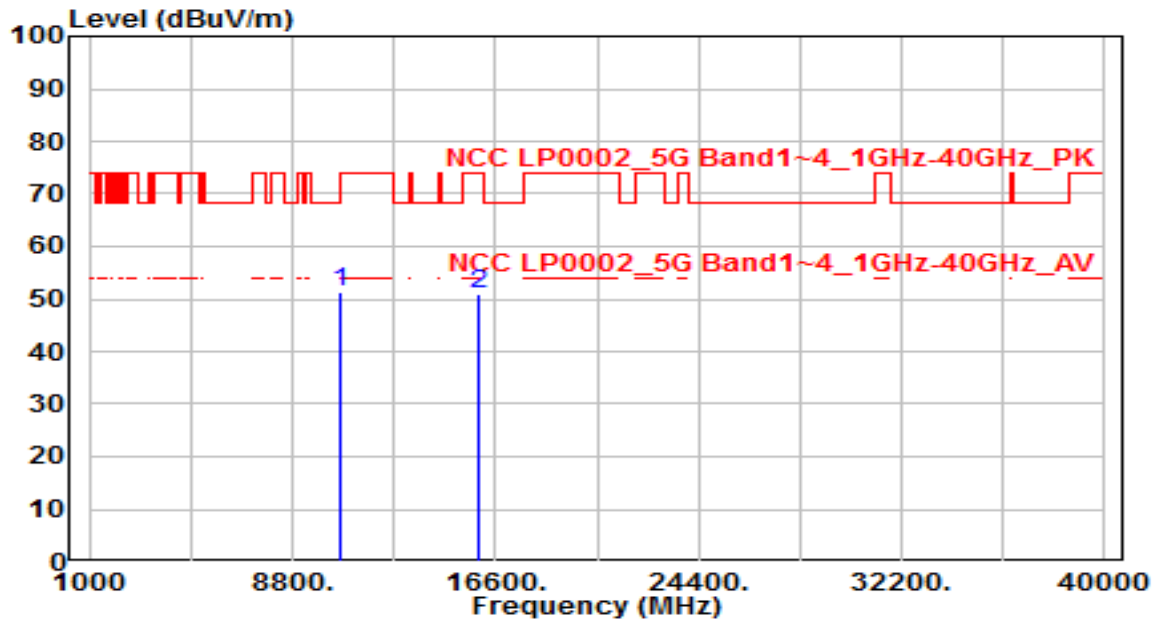


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10600.000	32.53	18.71	51.24	-16.96	68.20	150	360	Peak
2	15900.000	32.59	20.36	52.95	-21.05	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band2_CH 64_ANT 0	Test Voltage	AC 110V/60Hz

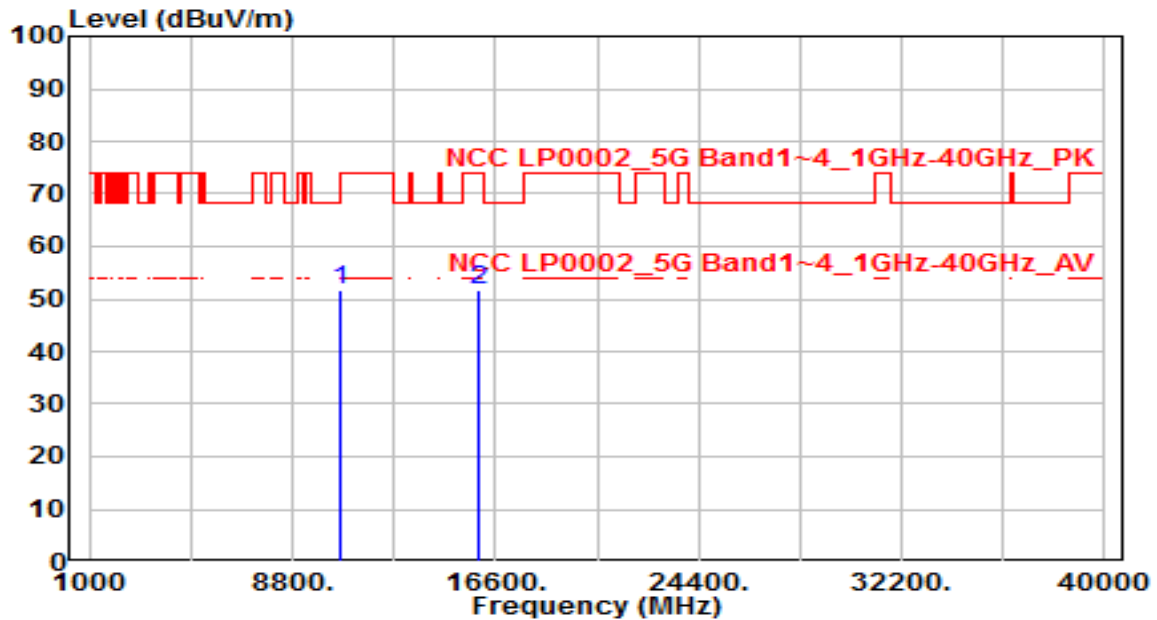


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	32.63	18.77	51.40	-22.60	74.00	150	360	Peak
2		30.89	20.21	51.10	-22.90	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band2_CH 64_ANT 0	Test Voltage	AC 110V/60Hz

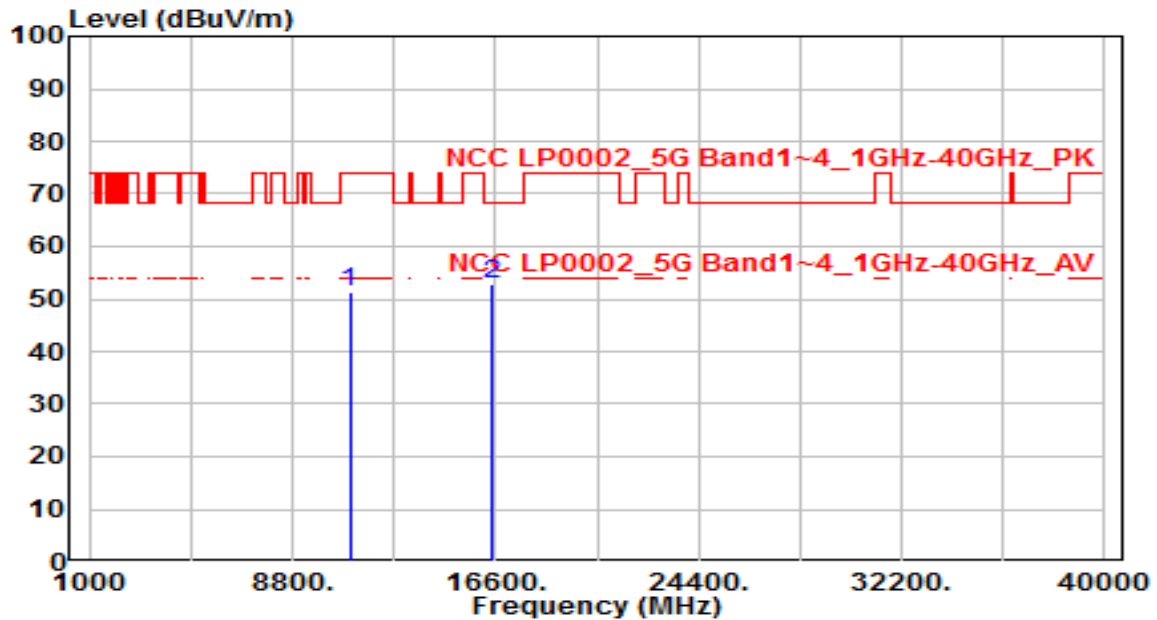


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	32.93	18.77	51.70	-22.30	74.00	150	360	Peak
2		31.46	20.21	51.67	-22.33	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band3_CH 100_ANT 0	Test Voltage	AC 110V/60Hz

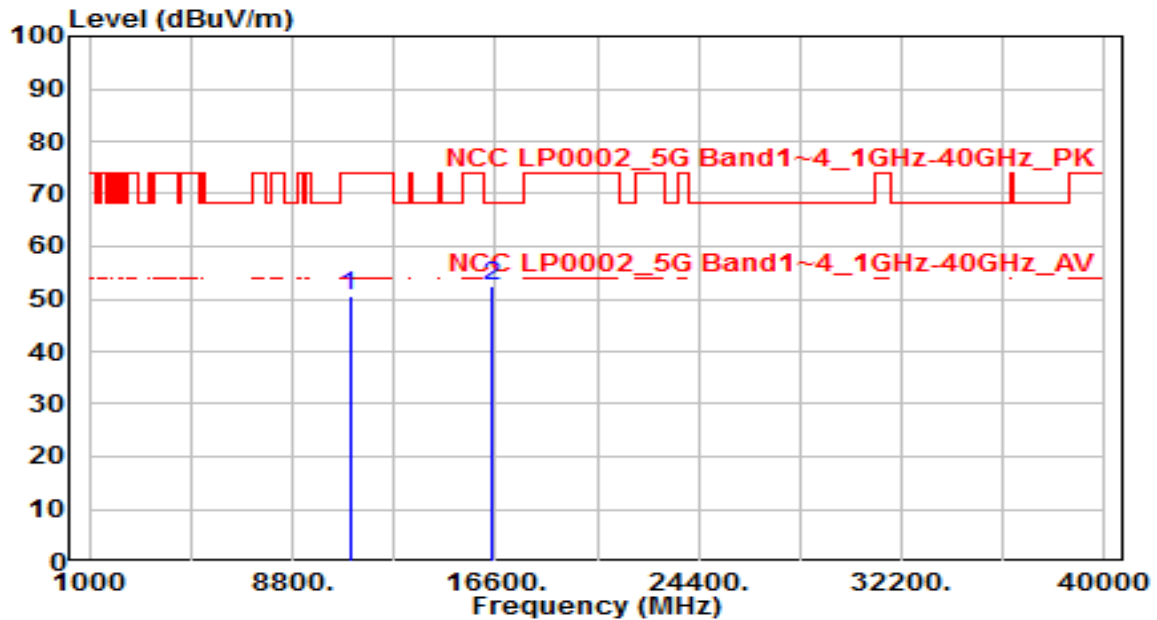


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11000.000	32.01	19.28	51.29	-22.71	74.00	150	360	Peak
2	* 16500.000	31.74	21.26	53.00	-15.20	68.20	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band3_CH 100_ANT 0	Test Voltage	AC 110V/60Hz

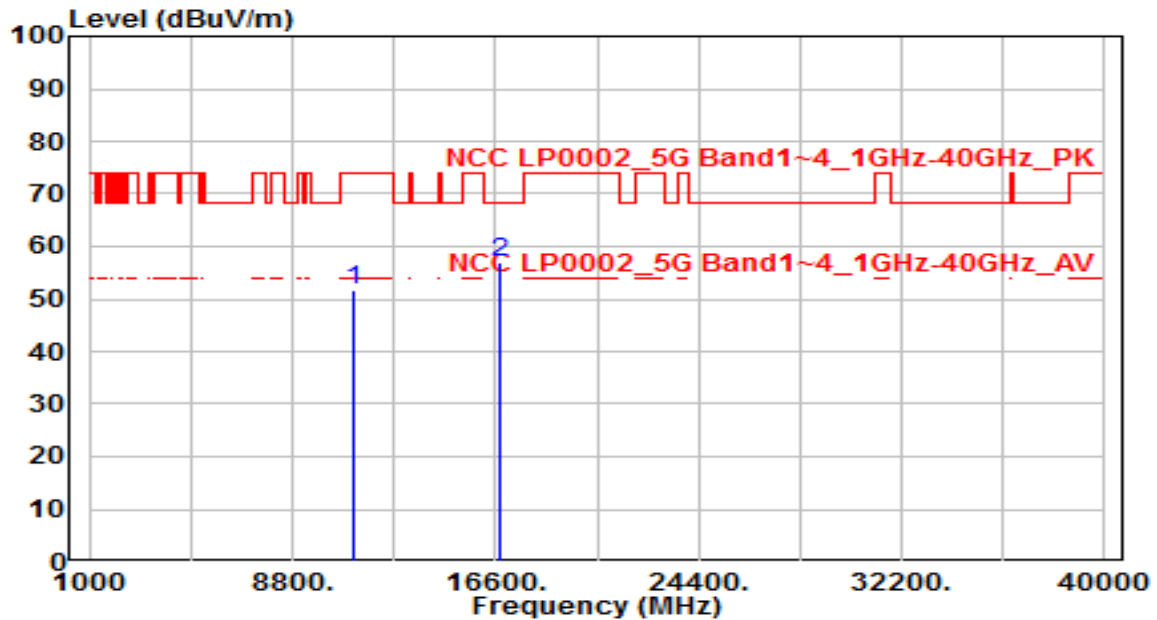


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11000.000	31.18	19.28	50.46	-23.54	74.00	150	360	Peak
2	* 16500.000	31.35	21.26	52.61	-15.59	68.20	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band3_CH 120_ANT 0	Test Voltage	AC 110V/60Hz

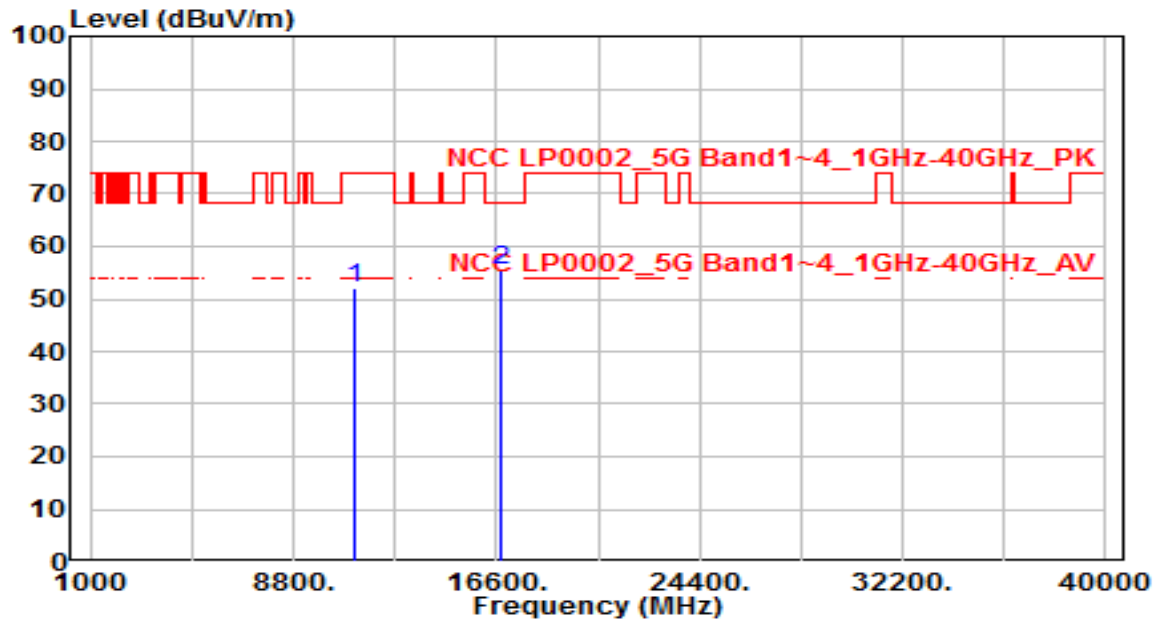


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11200.000	32.04	19.59	51.63	-22.37	74.00	150	360	Peak
2	* 16800.000	33.90	23.21	57.11	-11.09	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band3_CH 120_ANT 0	Test Voltage	AC 110V/60Hz

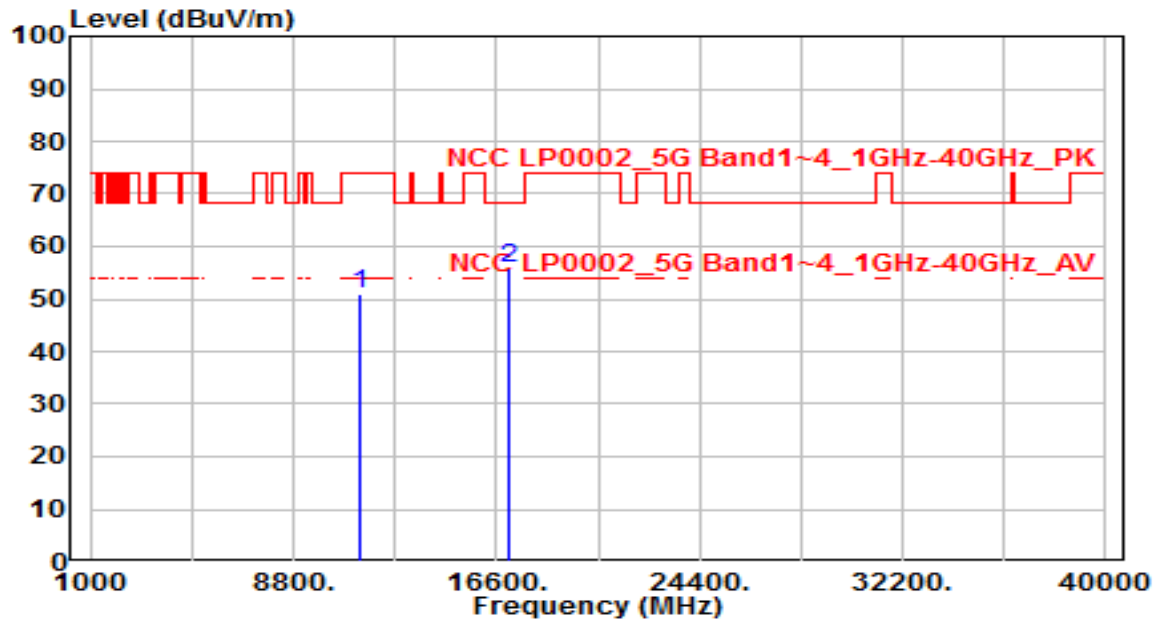


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11200.000	32.51	19.59	52.10	-21.90	74.00	150	360	Peak
2	* 16800.000	32.39	23.21	55.60	-12.60	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band3_CH 140_ANT 0	Test Voltage	AC 110V/60Hz

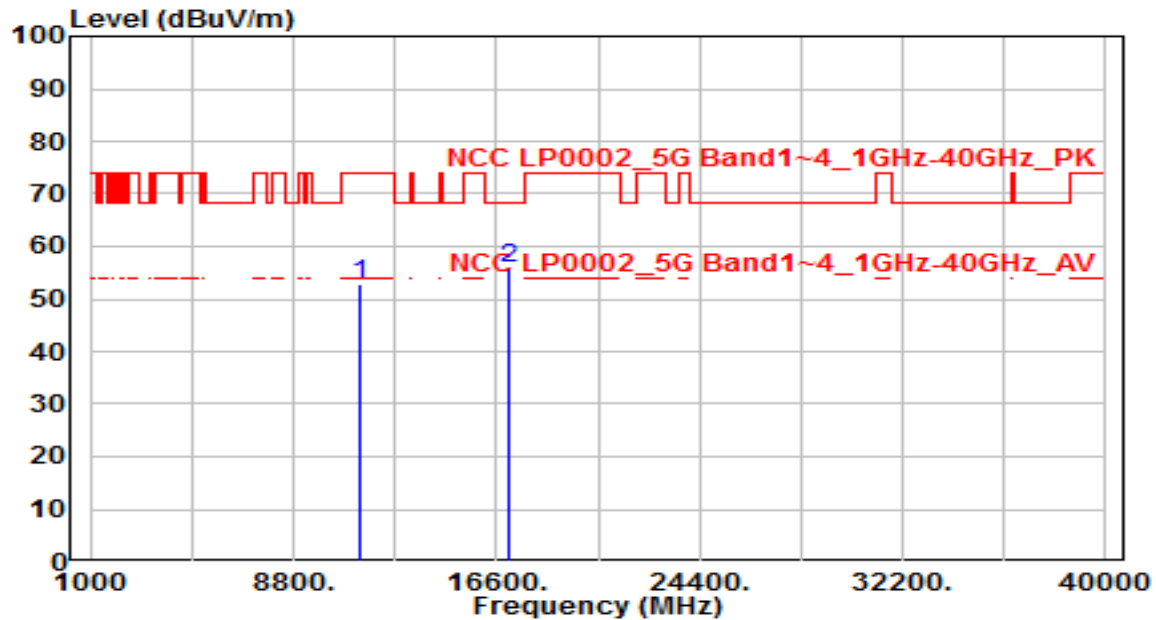


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11400.000	30.97	19.90	50.87	-23.13	74.00	150	360	Peak
2	* 17100.000	30.53	25.18	55.70	-12.50	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band3_CH 140_ANT 0	Test Voltage	AC 110V/60Hz

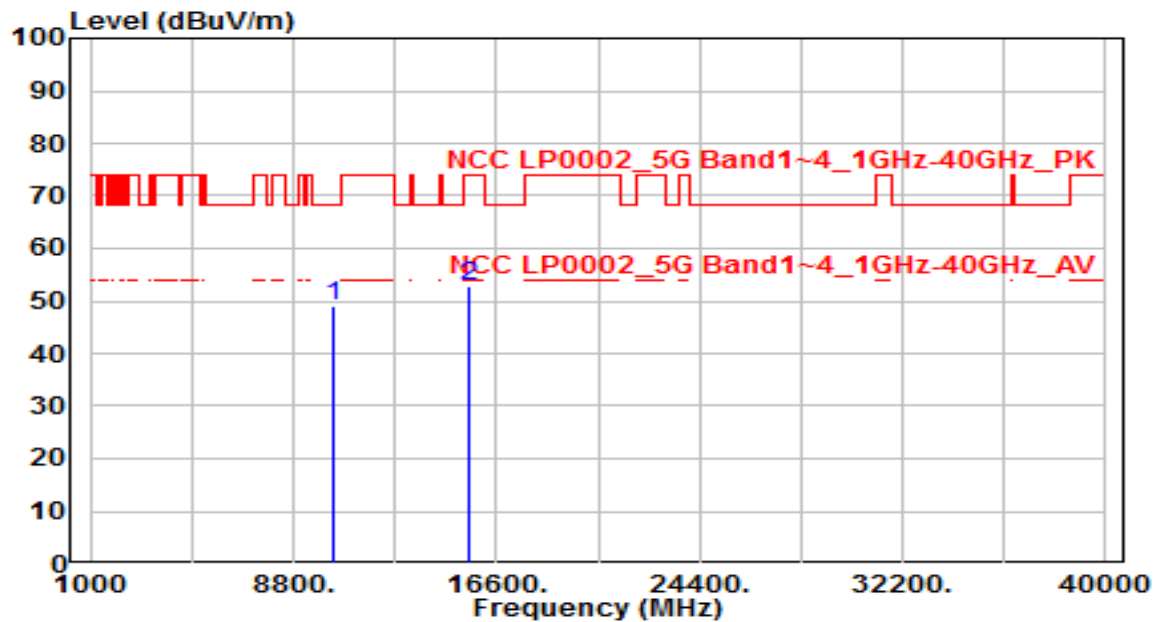


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11400.000	32.76	19.90	52.65	-21.35	74.00	150	360	Peak
2	* 17100.000	30.81	25.18	55.99	-12.21	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

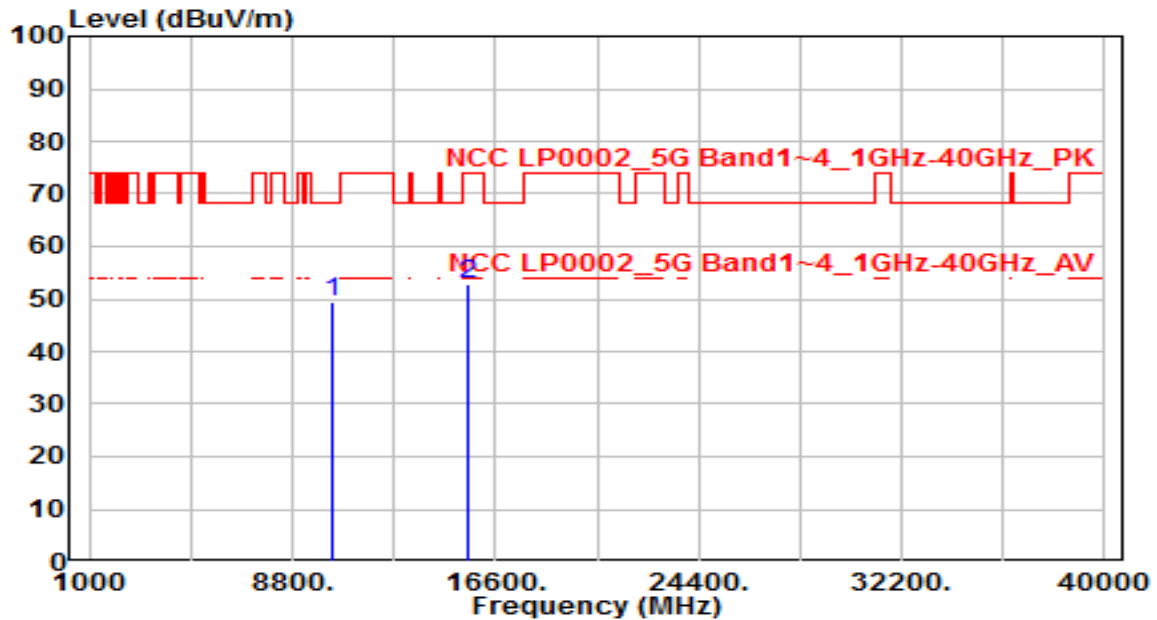


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10360.000	31.11	18.01	49.12	-19.08	68.20	150	360	Peak
2	15540.000	31.47	21.25	52.72	-21.28	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

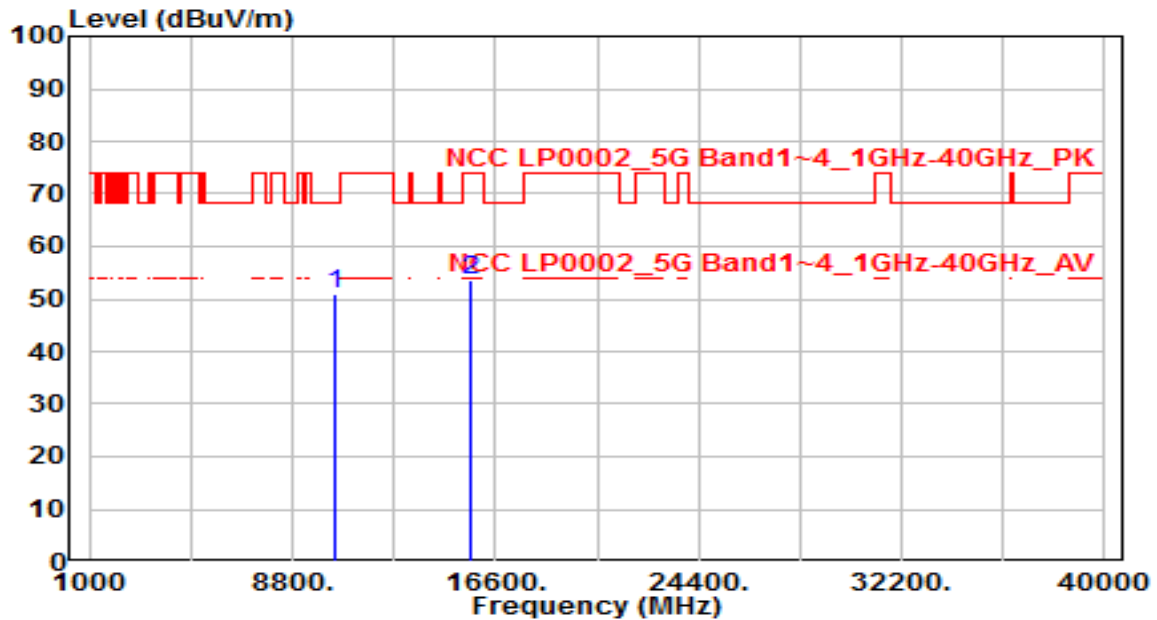


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10360.000	31.51	18.01	49.52	-18.68	68.20	150	360	Peak
2	15540.000	31.49	21.25	52.74	-21.26	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

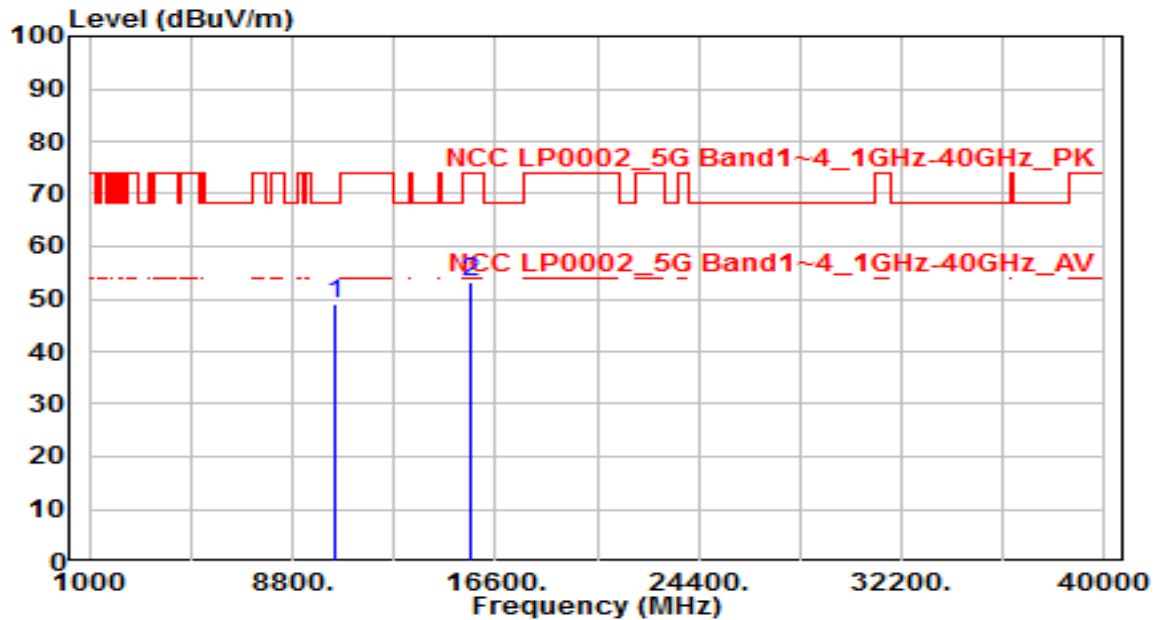


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10440.000	32.60	18.33	50.93	-17.27	68.20	150	360	Peak
2	15660.000	32.63	20.95	53.59	-20.41	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

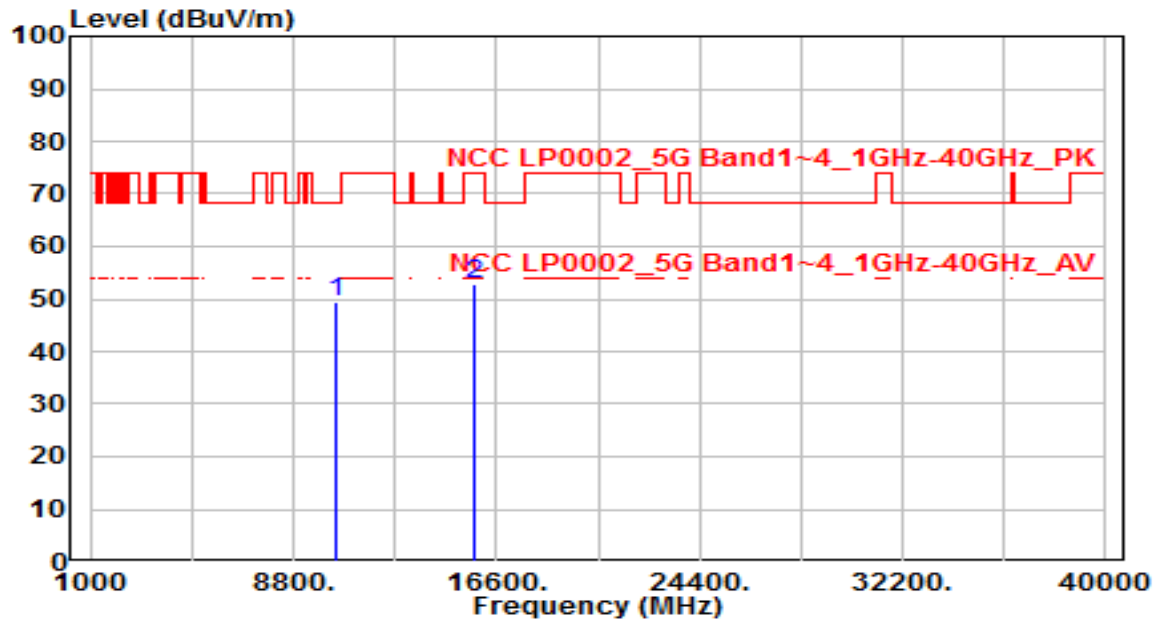


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10440.000	30.64	18.33	48.97	-19.23	68.20	150	360	Peak
2	15660.000	32.27	20.95	53.22	-20.78	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 48_ANT 0	Test Voltage	AC 110V/60Hz

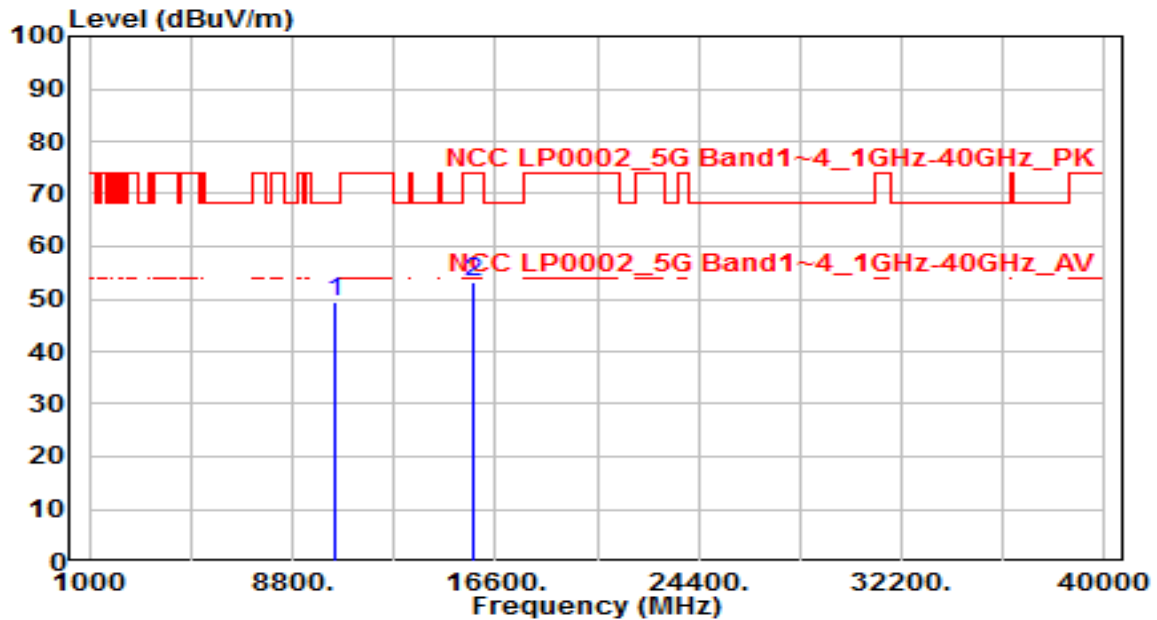


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10480.000	30.87	18.49	49.36	-18.84	68.20	150	360	Peak
2	15720.000	31.90	20.80	52.70	-21.30	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 48_ANT 0	Test Voltage	AC 110V/60Hz

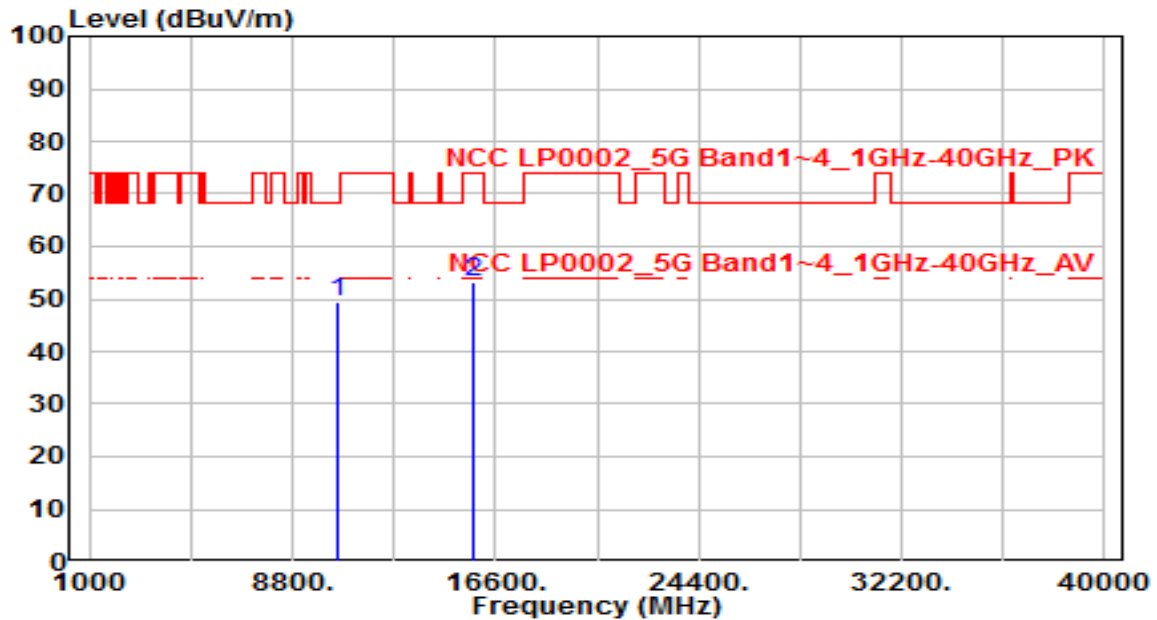


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10480.000	31.13	18.49	49.62	-18.58	68.20	150	360	Peak
2	15720.000	32.38	20.80	53.18	-20.82	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band2_CH 52_ANT 0	Test Voltage	AC 110V/60Hz

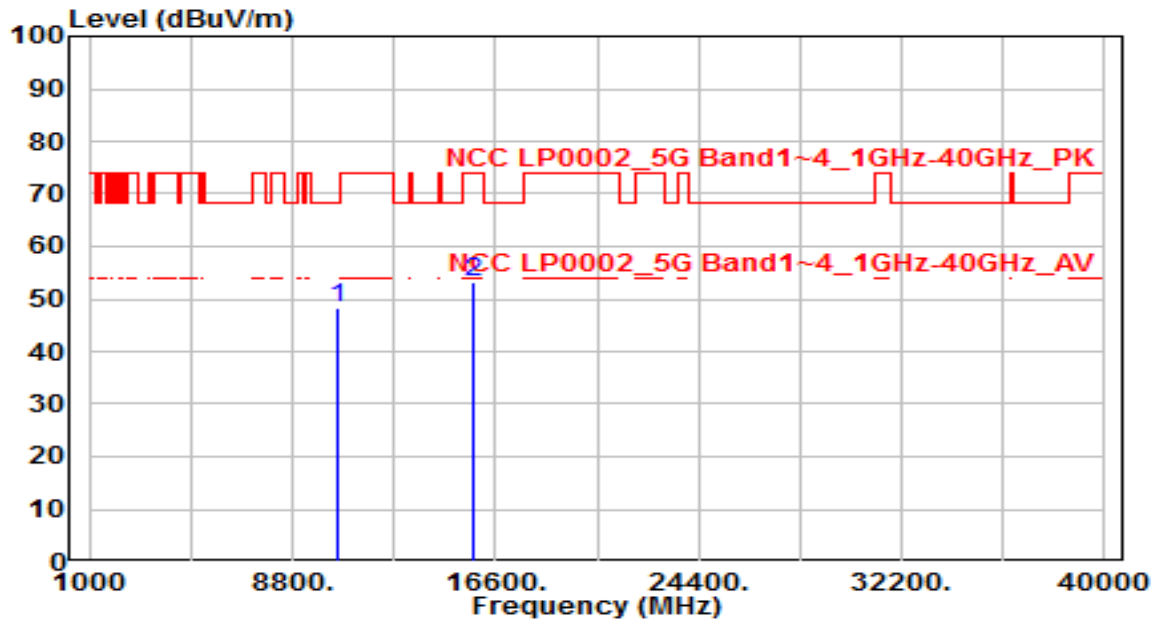


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10520.000	30.89	18.60	49.49	-18.71	68.20	150	360	Peak
2	15780.000	32.49	20.66	53.14	-20.86	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band2_CH 52_ANT 0	Test Voltage	AC 110V/60Hz

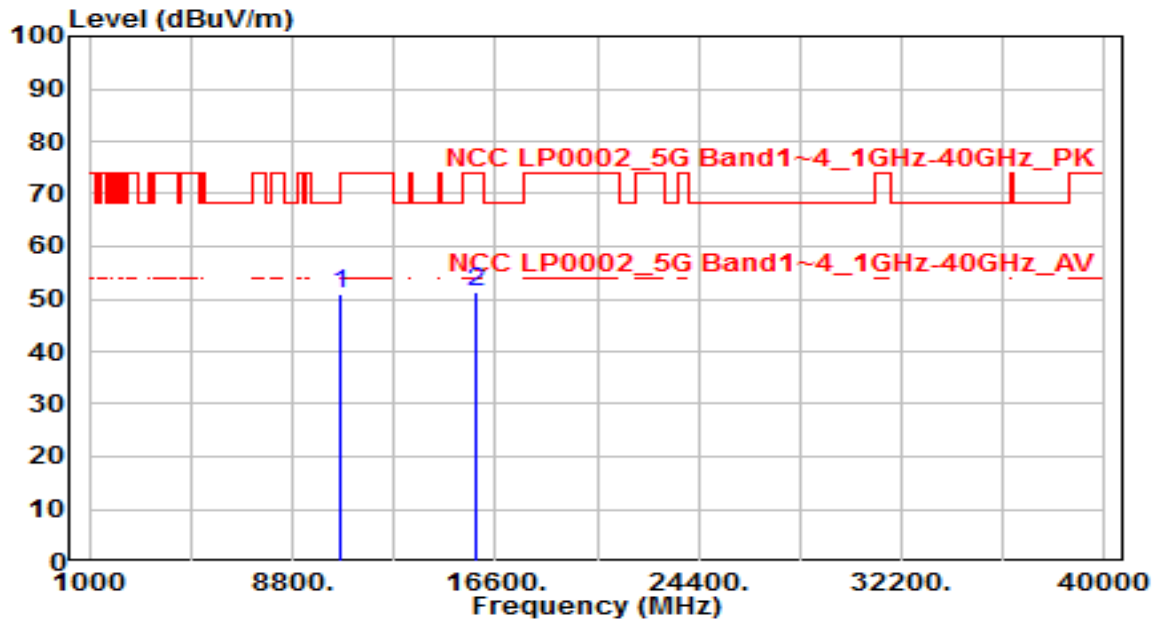


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10520.000	29.88	18.60	48.48	-19.72	68.20	150	360	Peak
2	15780.000	32.45	20.66	53.11	-20.89	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band2_CH 60_ANT 0	Test Voltage	AC 110V/60Hz

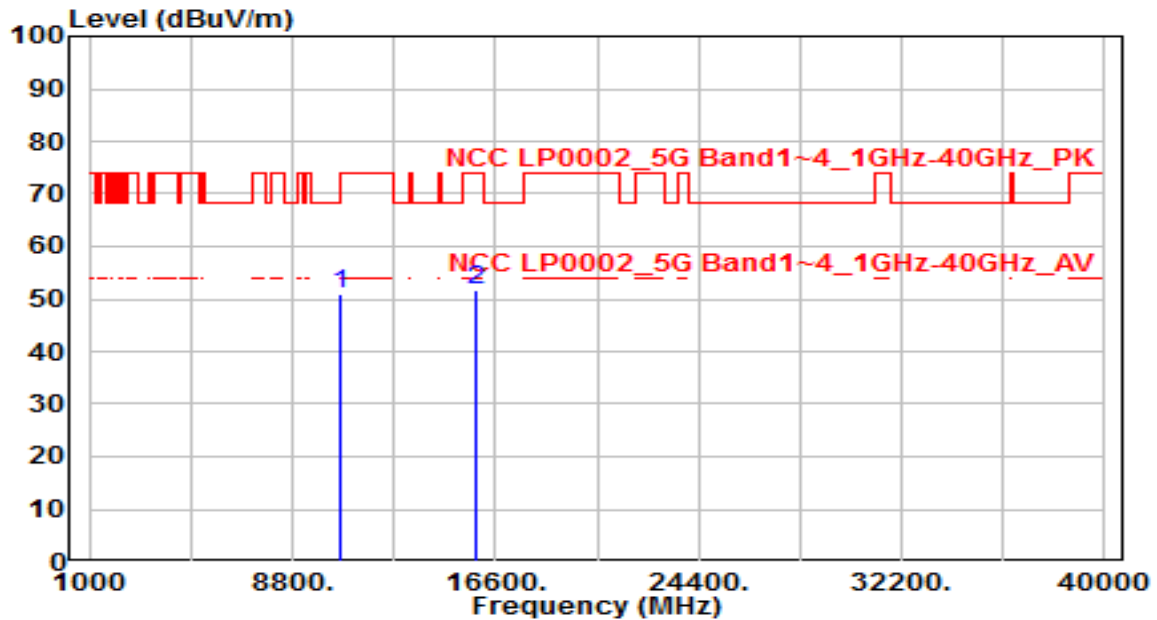


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10600.000	32.15	18.71	50.86	-17.34	68.20	150	360	Peak
2	15900.000	30.95	20.36	51.31	-22.69	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band2_CH 60_ANT 0	Test Voltage	AC 110V/60Hz

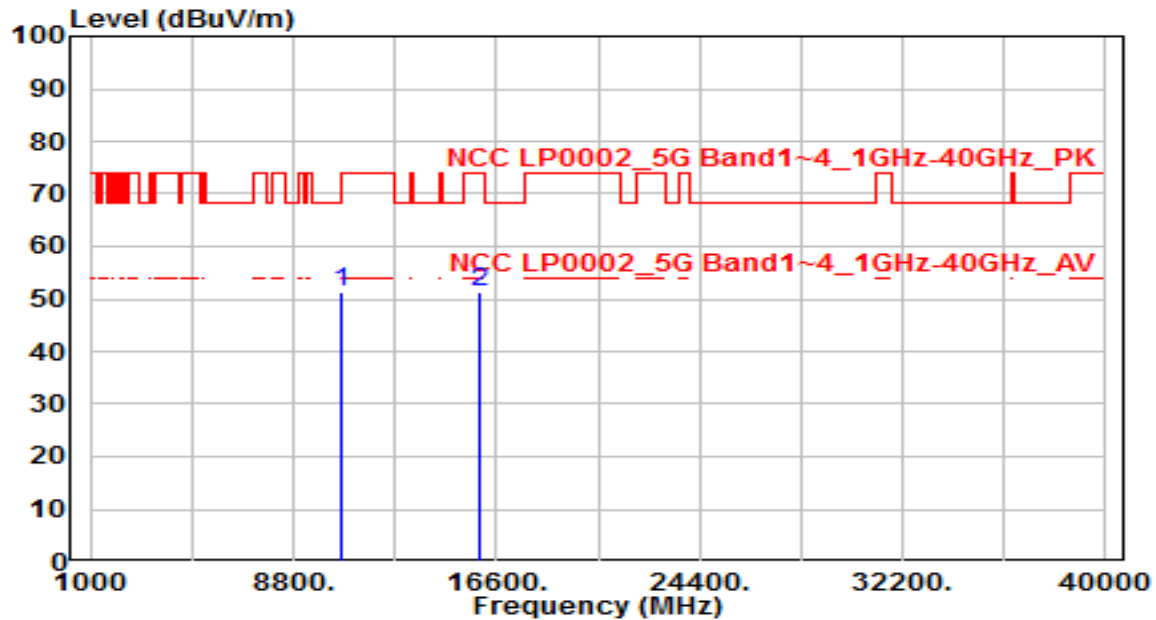


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10600.000	32.42	18.71	51.13	-17.07	68.20	150	360	Peak
2	15900.000	31.28	20.36	51.63	-22.37	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band2_CH 64_ANT 0	Test Voltage	AC 110V/60Hz

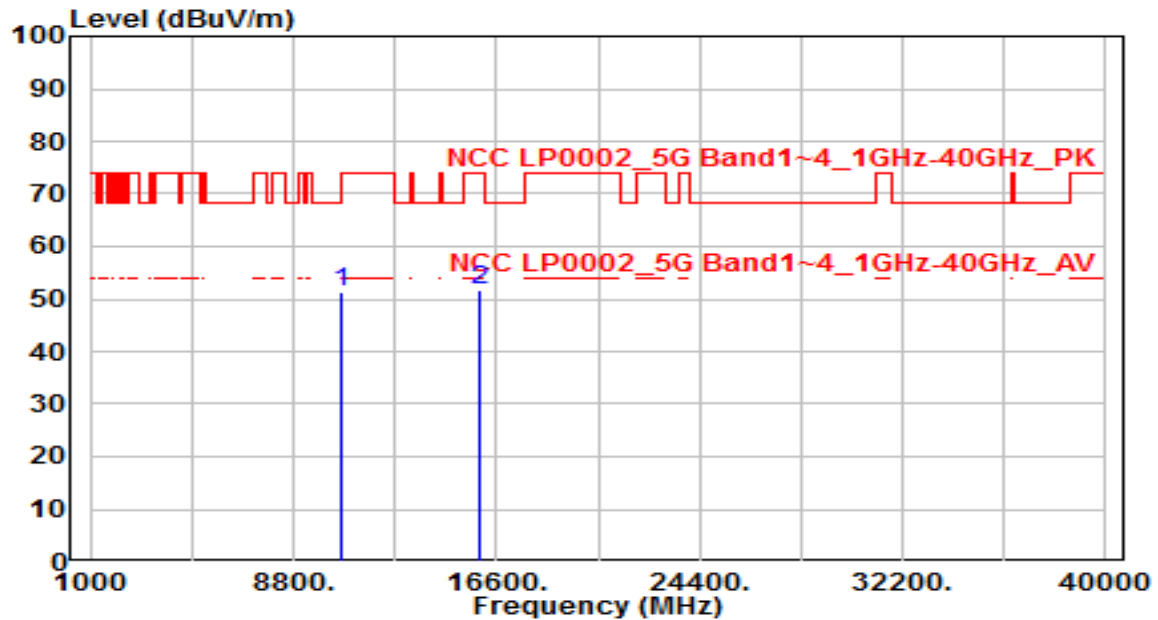


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10640.000	32.39	18.77	51.16	-22.84	74.00	150	360	Peak
2	* 15960.000	31.24	20.21	51.44	-22.56	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band2_CH 64_ANT 0	Test Voltage	AC 110V/60Hz

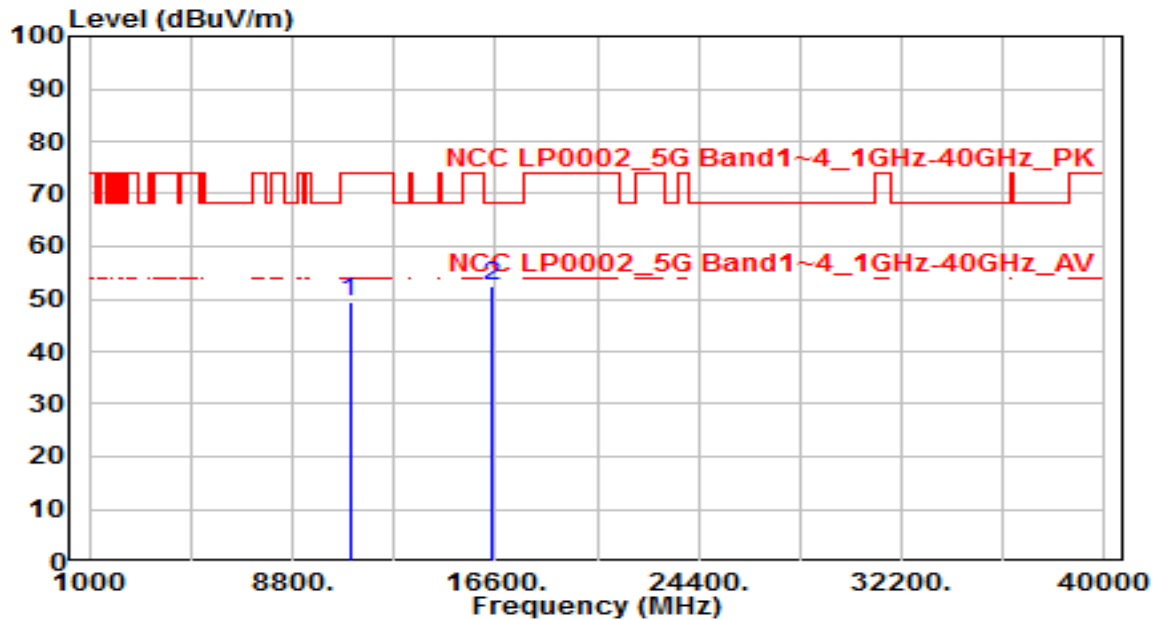


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10640.000	32.66	18.77	51.43	-22.57	74.00	150	360	Peak
2	* 15960.000	31.46	20.21	51.67	-22.33	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band3_CH 100_ANT 0	Test Voltage	AC 110V/60Hz

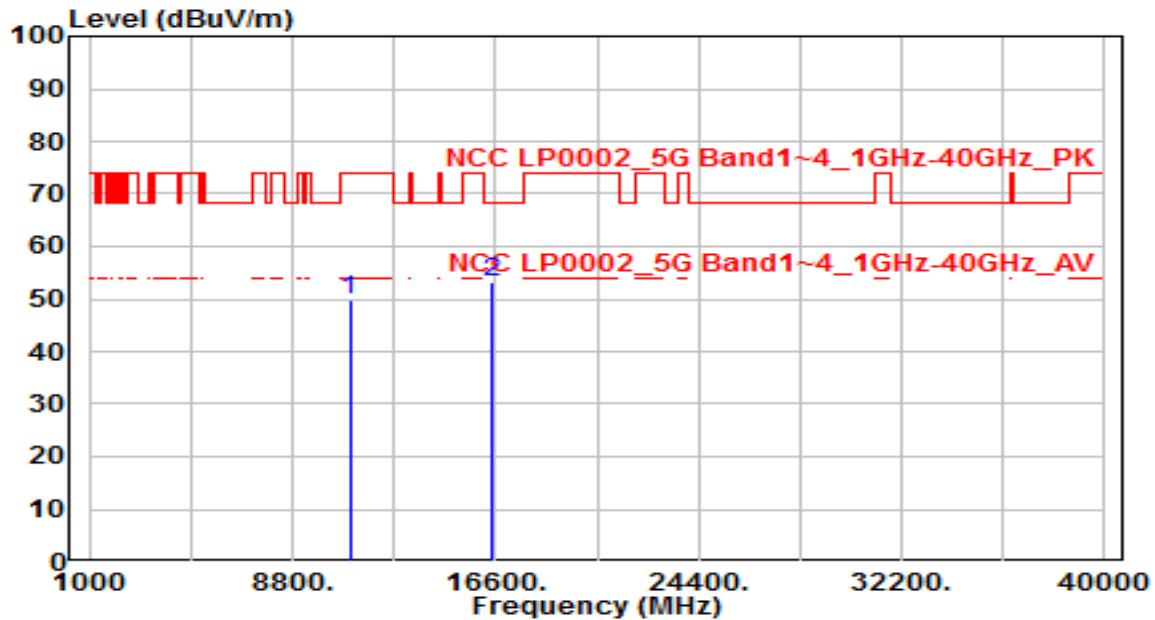


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11000.000	30.21	19.28	49.49	-24.51	74.00	150	360	Peak
2	* 16500.000	31.30	21.26	52.56	-15.64	68.20	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band3_CH 100_ANT 0	Test Voltage	AC 110V/60Hz

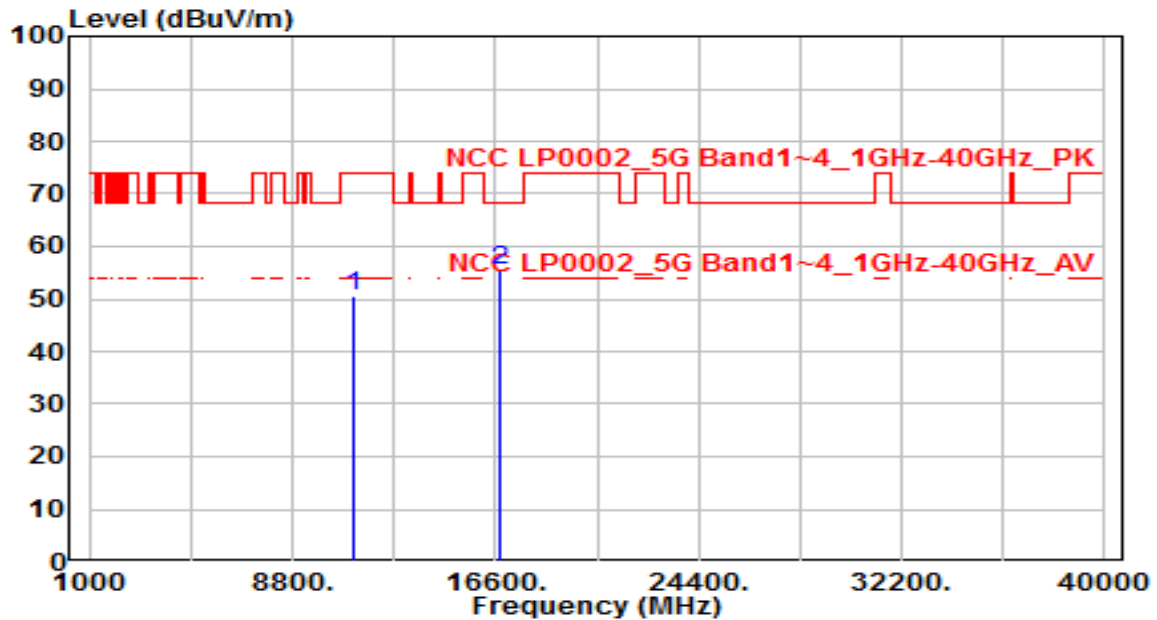


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11000.000	30.47	19.28	49.75	-24.25	74.00	150	360	Peak
2	* 16500.000	32.00	21.26	53.26	-14.94	68.20	150	360	Peak

Note:

- "*" means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band3_CH 120_ANT 0	Test Voltage	AC 110V/60Hz

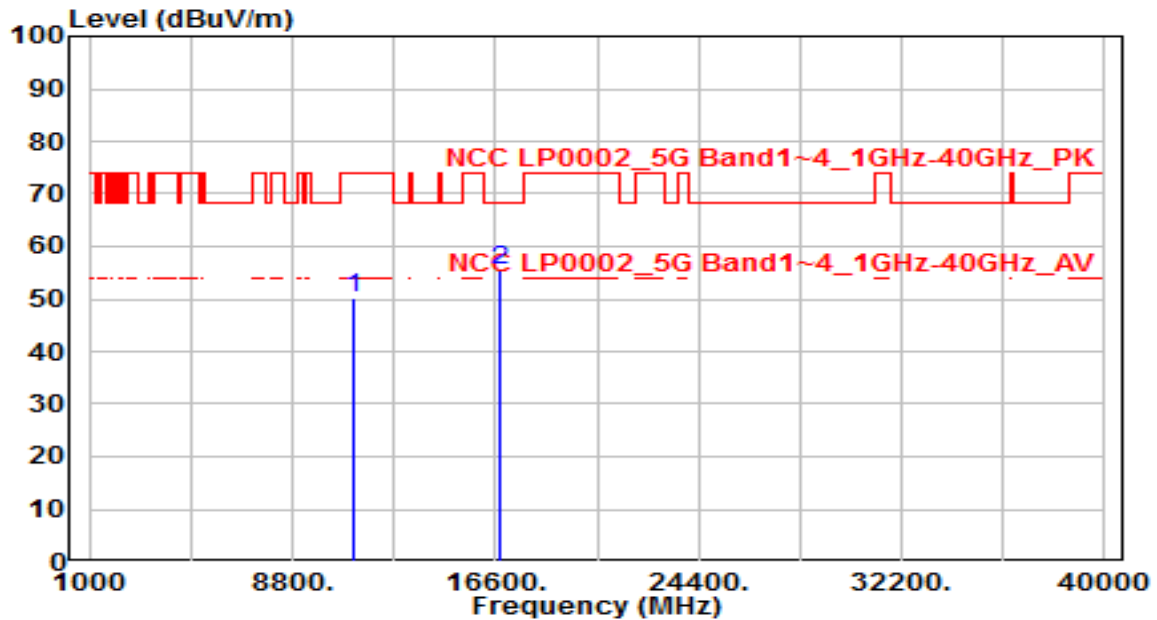


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11200.000	31.04	19.59	50.63	-23.37	74.00	150	360	Peak
2	* 16800.000	32.41	23.21	55.62	-12.58	68.20	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. No2 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band3_CH 120_ANT 0	Test Voltage	AC 110V/60Hz

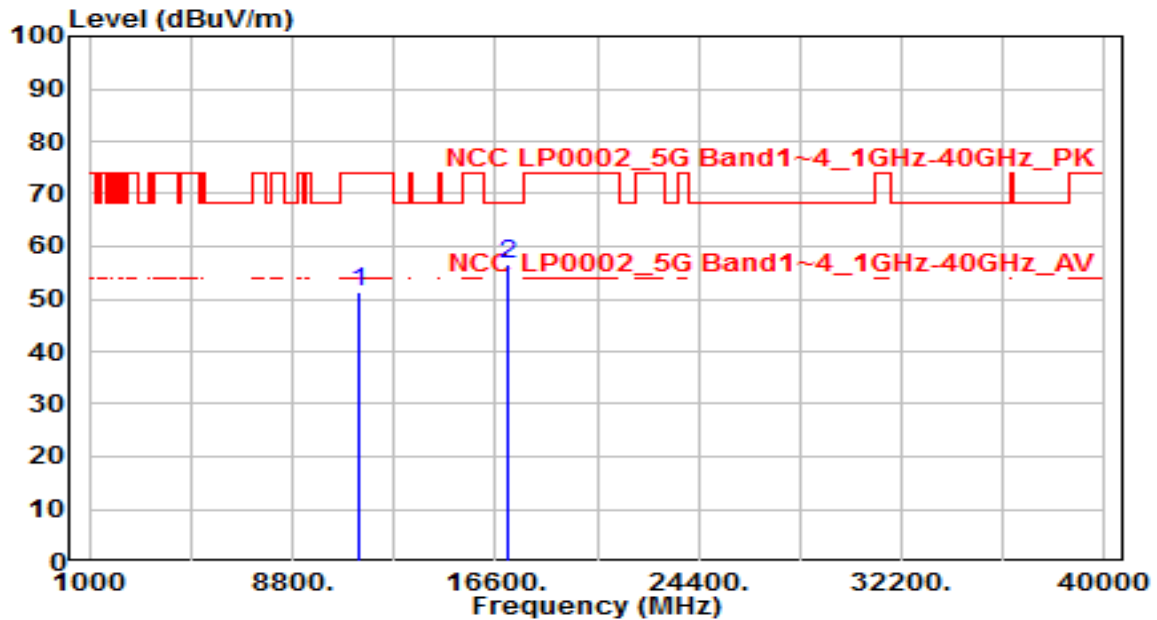


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11200.000	30.77	19.59	50.36	-23.64	74.00	150	360	Peak
2	* 16800.000	32.11	23.21	55.32	-12.88	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band3_CH 140_ANT 0	Test Voltage	AC 110V/60Hz

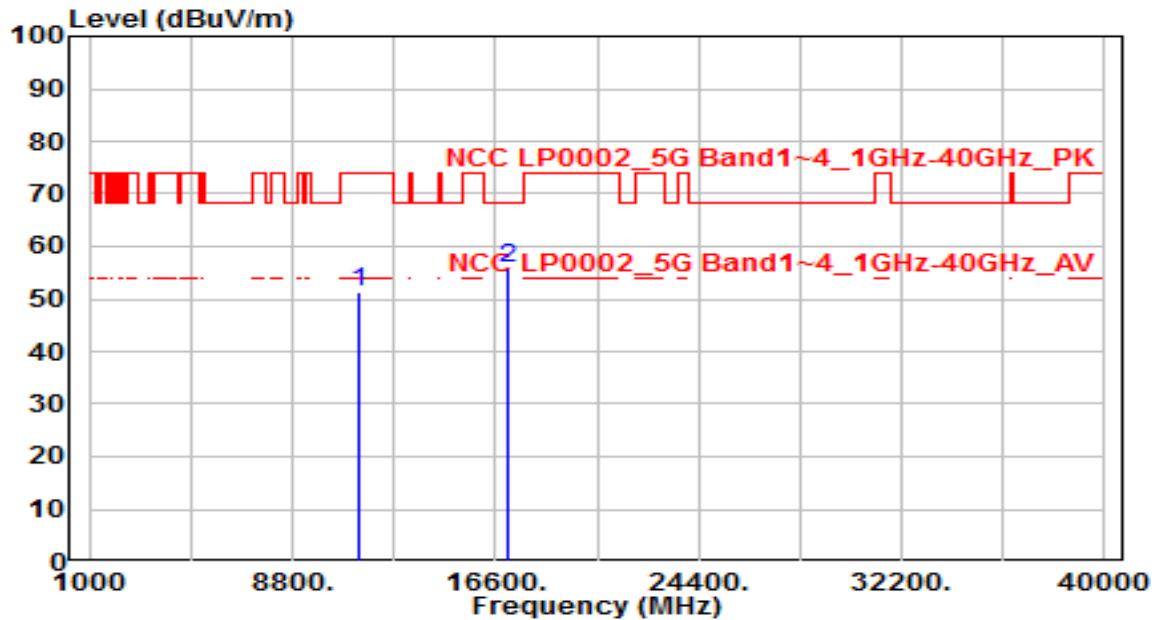


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11400.000	31.58	19.90	51.48	-22.52	74.00	150	360	Peak
2	* 17100.000	31.45	25.18	56.62	-11.58	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band3_CH 140_ANT 0	Test Voltage	AC 110V/60Hz

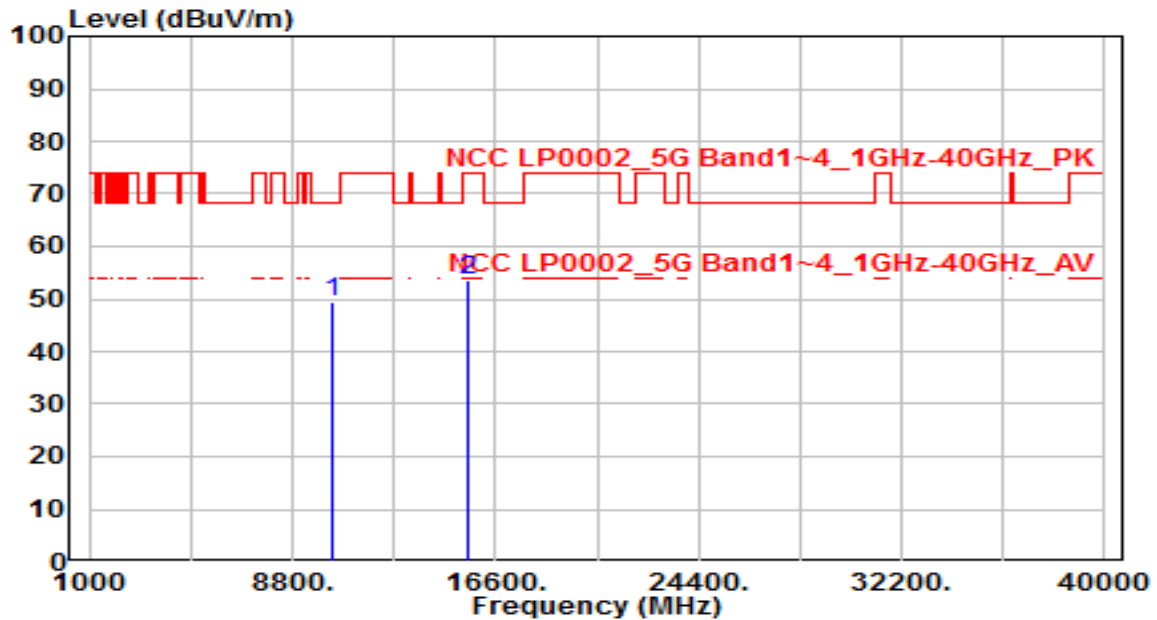


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11400.000	31.33	19.90	51.23	-22.77	74.00	150	360	Peak
2	* 17100.000	30.64	25.18	55.81	-12.39	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 110V/60Hz

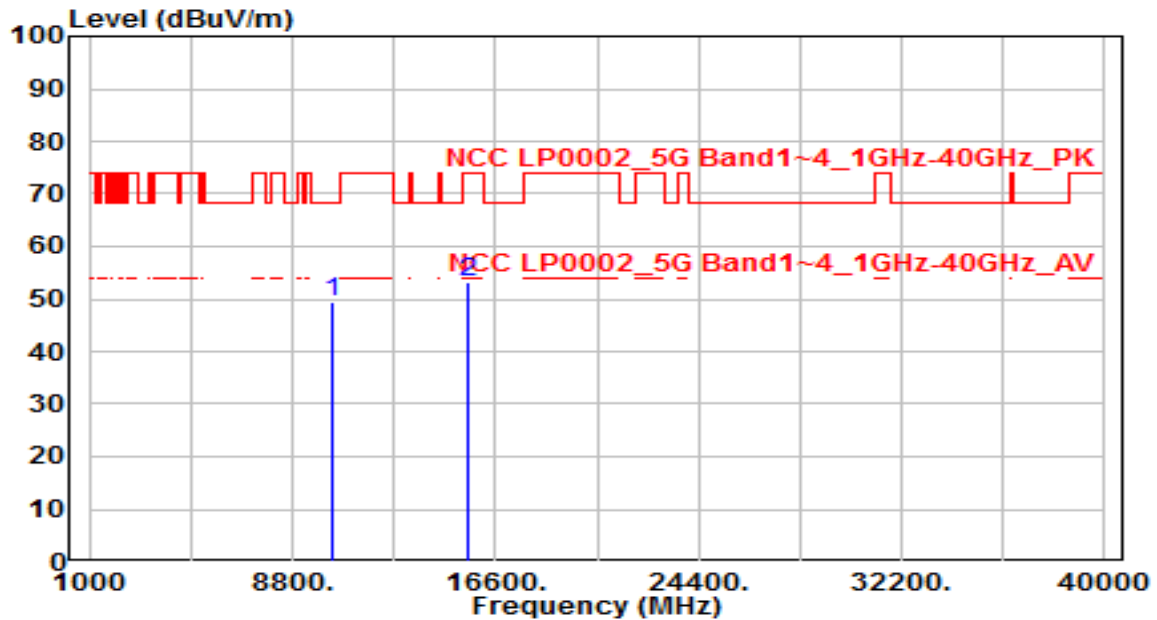


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10380.000	31.48	18.09	49.57	-18.63	68.20	150	360	Peak
2	15570.000	32.29	21.18	53.46	-20.54	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 110V/60Hz

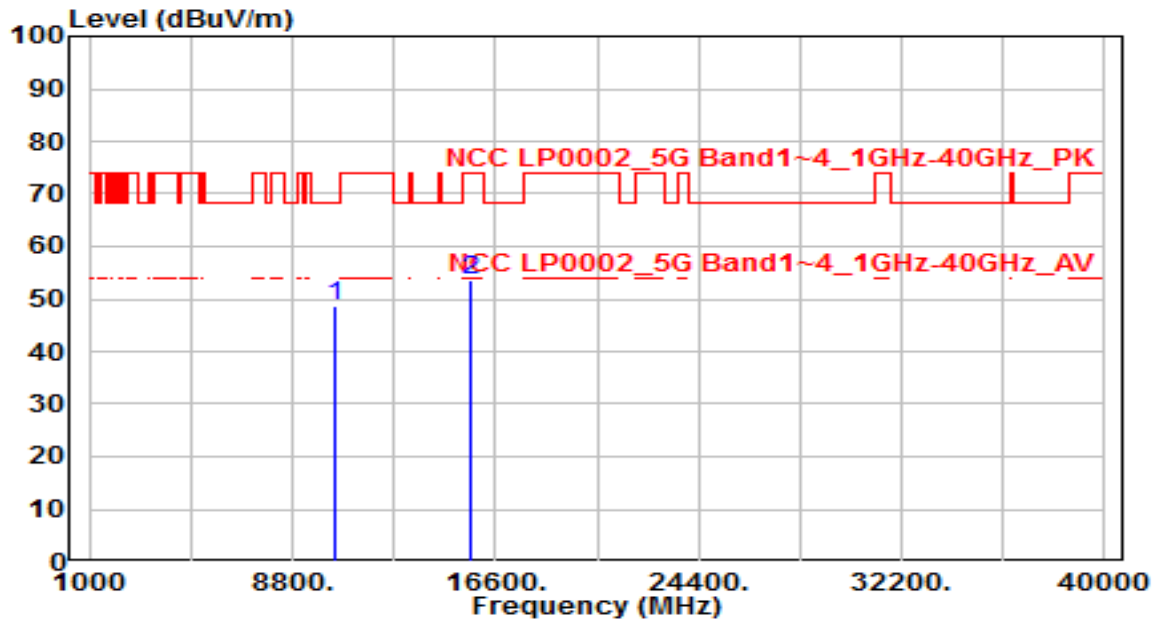


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10380.000	31.39	18.09	49.48	-18.72	68.20	150	360	Peak
2	15570.000	32.15	21.18	53.32	-20.68	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 46_ANT 0	Test Voltage	AC 110V/60Hz

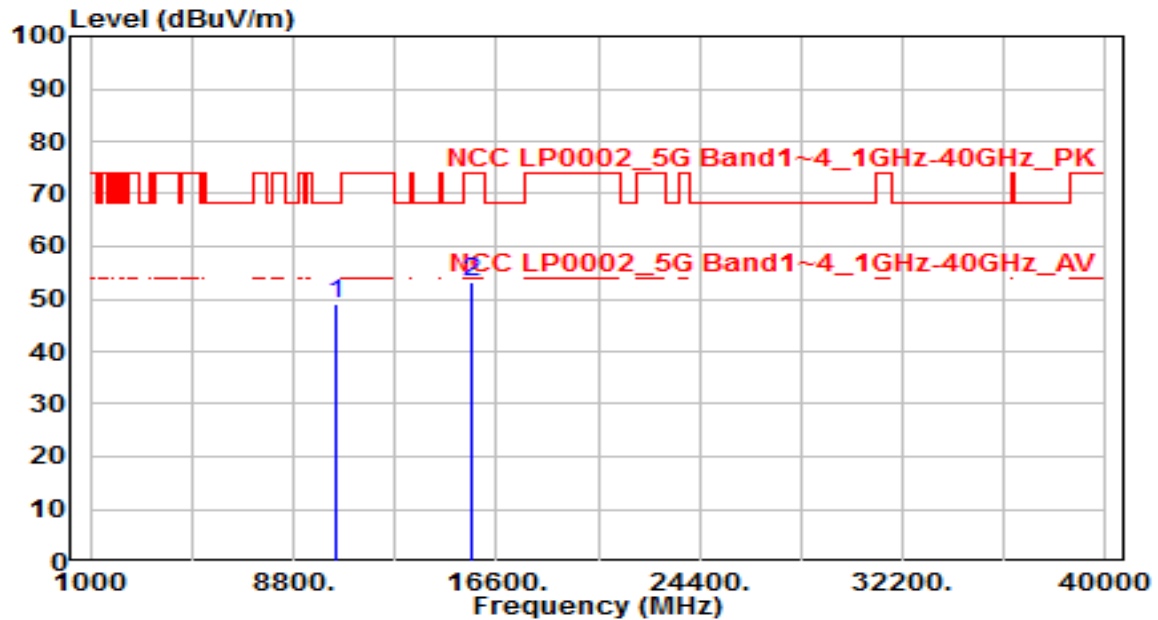


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10460.000	30.12	18.41	48.53	-19.67	68.20	150	360	Peak
2	15690.000	32.60	20.88	53.48	-20.52	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 46_ANT 0	Test Voltage	AC 110V/60Hz

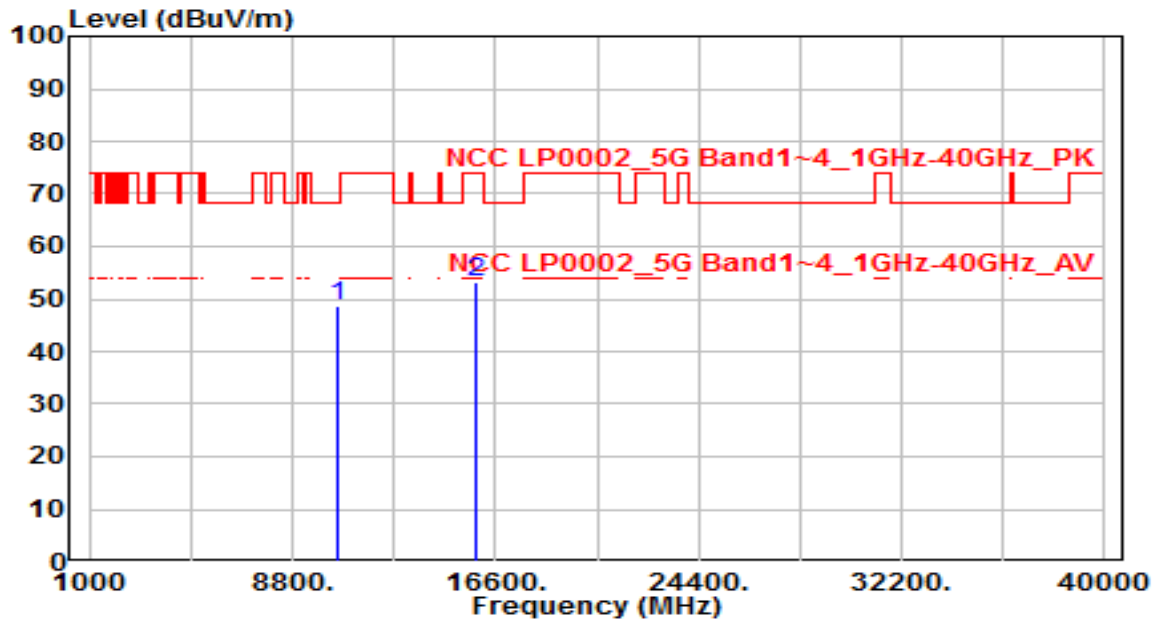


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10460.000	30.78	18.41	49.19	-19.01	68.20	150	360	Peak
2	15690.000	32.41	20.88	53.29	-20.71	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band2_CH 54_ANT 0	Test Voltage	AC 110V/60Hz

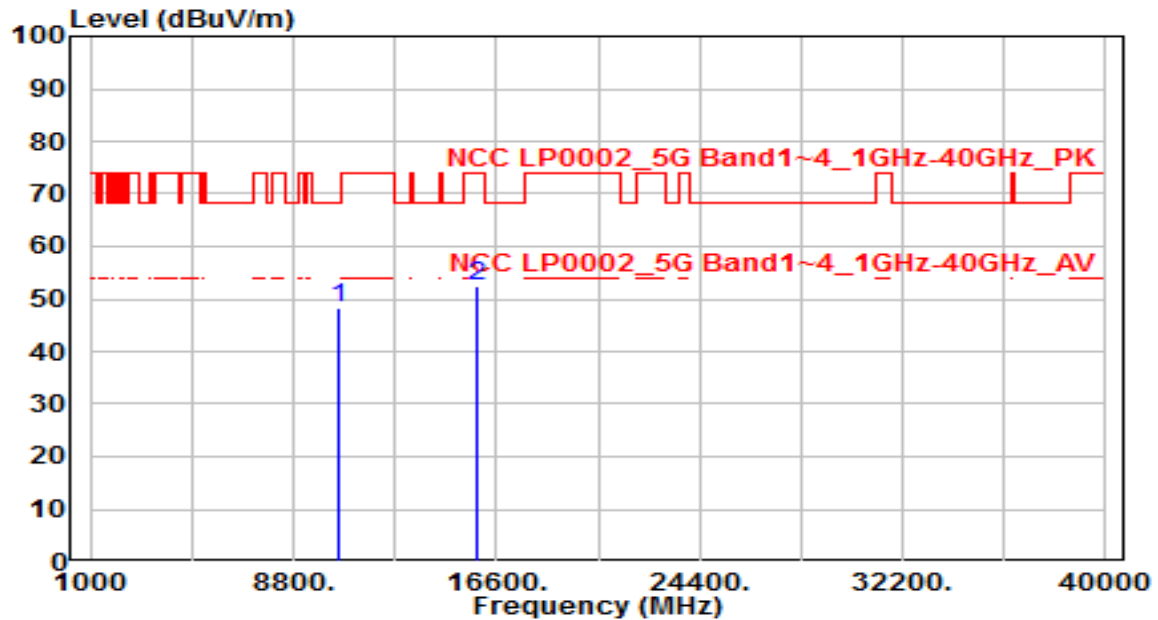


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10540.000	30.21	18.63	48.84	-19.36	68.20	150	360	Peak
2	15810.000	32.81	20.58	53.39	-20.61	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band2_CH 54_ANT 0	Test Voltage	AC 110V/60Hz

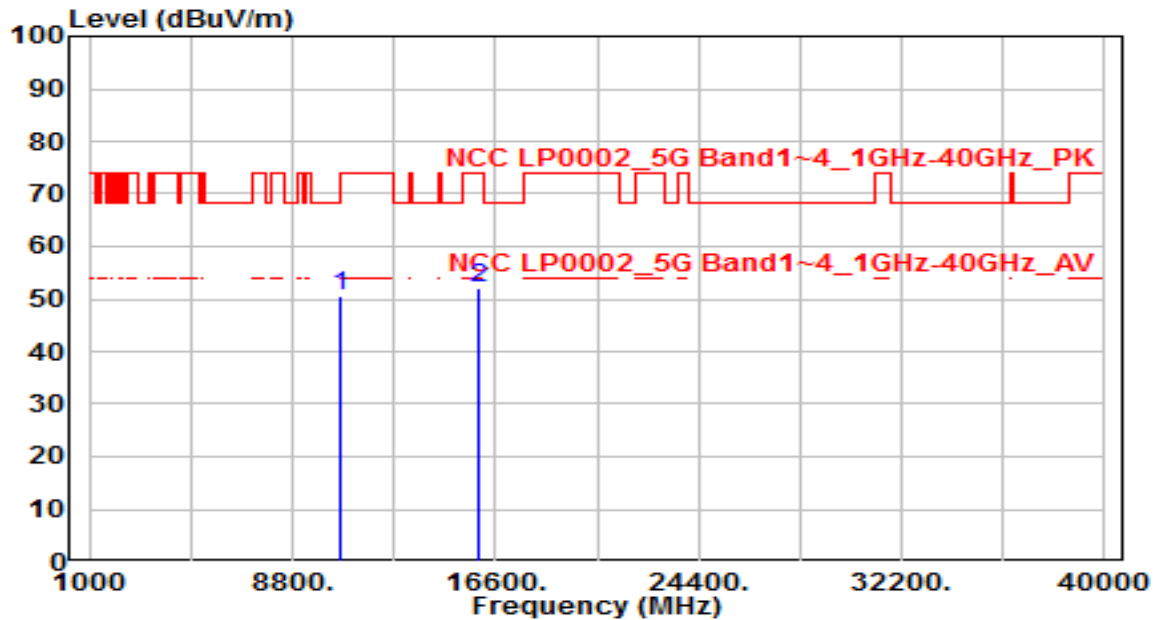


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10540.000	29.80	18.63	48.43	-19.77	68.20	150	360	Peak
2	15810.000	31.76	20.58	52.34	-21.66	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band2_CH 62_ANT 0	Test Voltage	AC 110V/60Hz

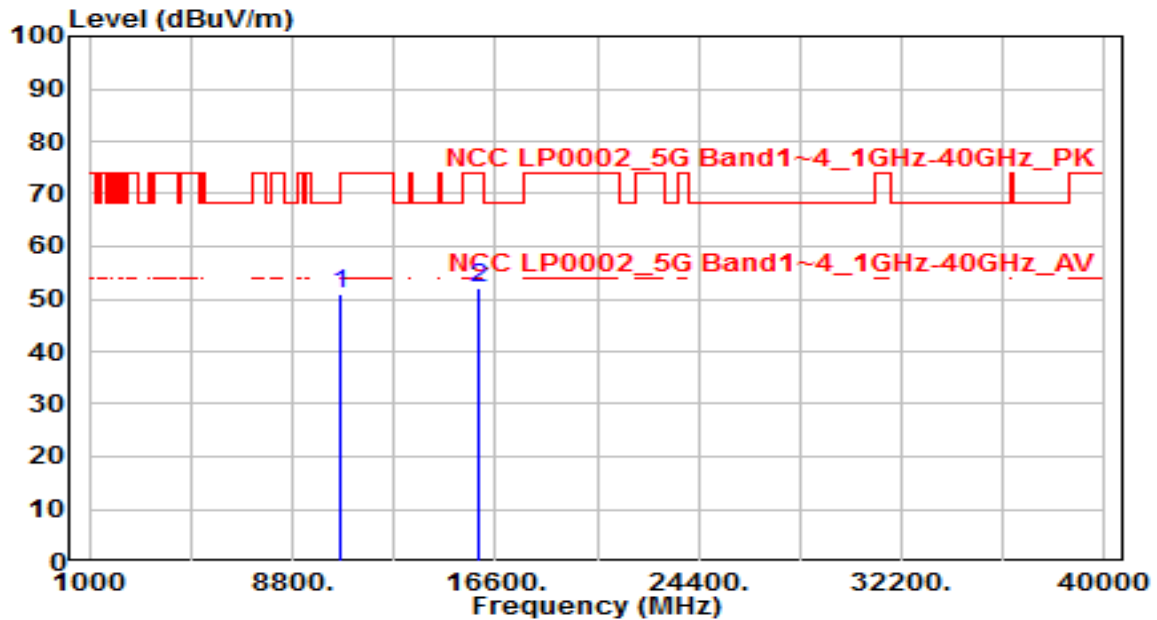


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10620.000	31.66	18.74	50.40	-23.60	74.00	150	360	Peak
2	* 15930.000	31.72	20.28	52.01	-21.99	74.00	150	360	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band2_CH 62_ANT 0	Test Voltage	AC 110V/60Hz

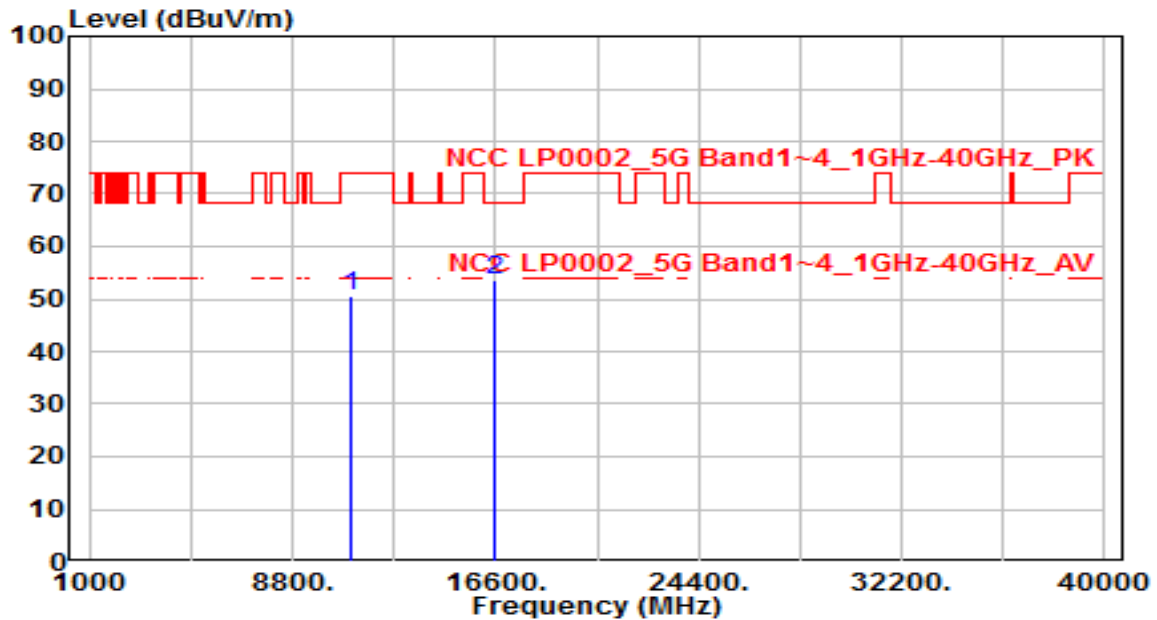


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10620.000	32.16	18.74	50.90	-23.10	74.00	150	360	Peak
2	* 15930.000	31.70	20.28	51.98	-22.02	74.00	150	360	Peak

Note:

- "*" means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band3_CH 102_ANT 0	Test Voltage	AC 110V/60Hz

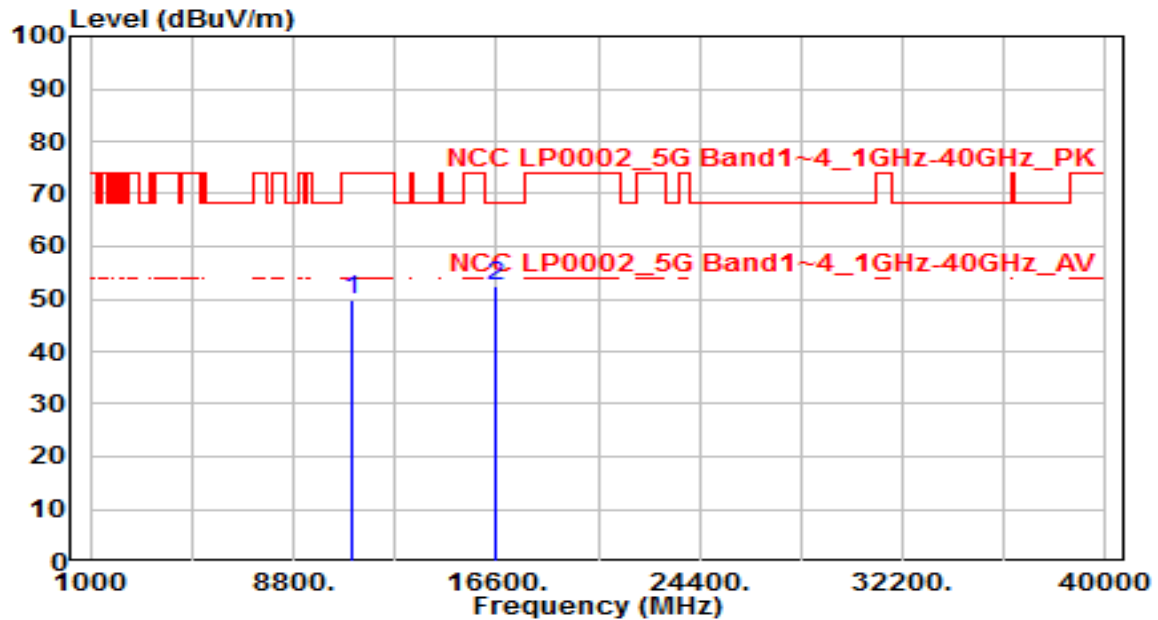


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11020.000	31.23	19.31	50.54	-23.46	74.00	150	360	Peak
2	* 16530.000	31.96	21.46	53.42	-14.78	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band3_CH 102_ANT 0	Test Voltage	AC 110V/60Hz

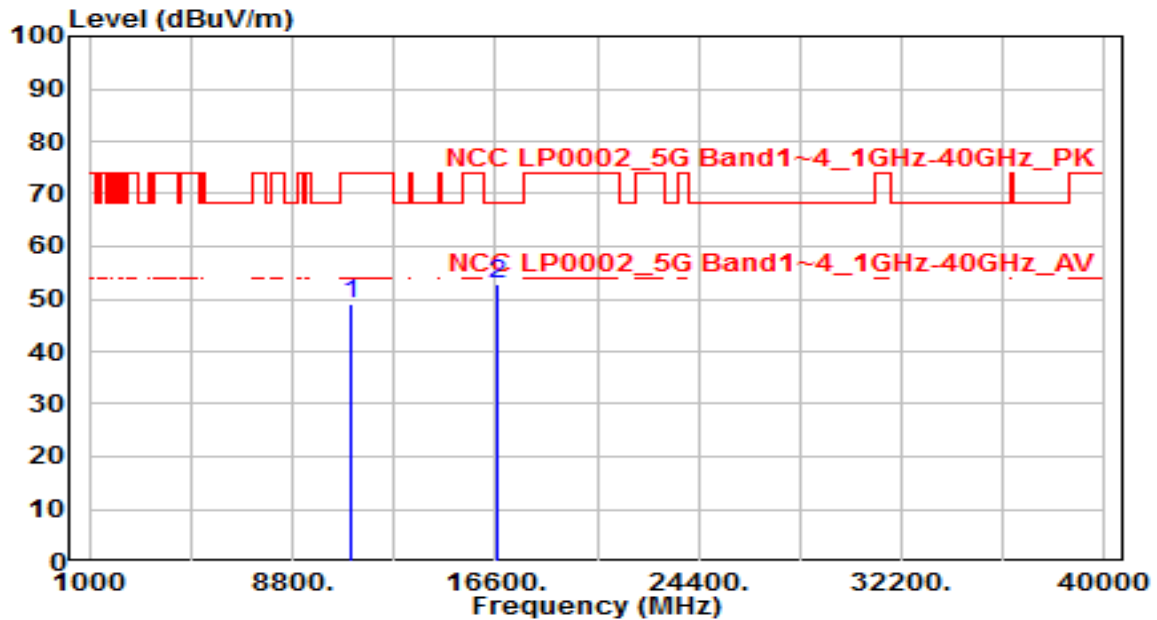


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11020.000	30.44	19.31	49.75	-24.25	74.00	150	360	Peak
2	* 16530.000	31.07	21.46	52.52	-15.68	68.20	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band3_CH 110_ANT 0	Test Voltage	AC 110V/60Hz

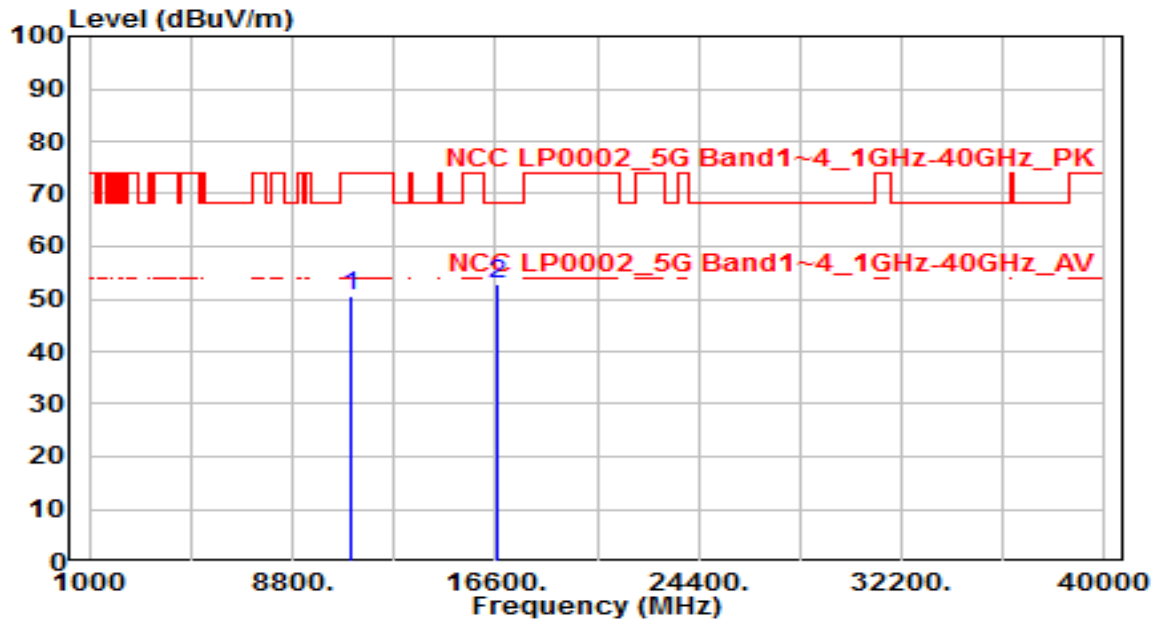


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11100.000	29.61	19.43	49.05	-24.95	74.00	150	360	Peak
2	* 16650.000	30.68	22.24	52.91	-15.29	68.20	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band3_CH 110_ANT 0	Test Voltage	AC 110V/60Hz

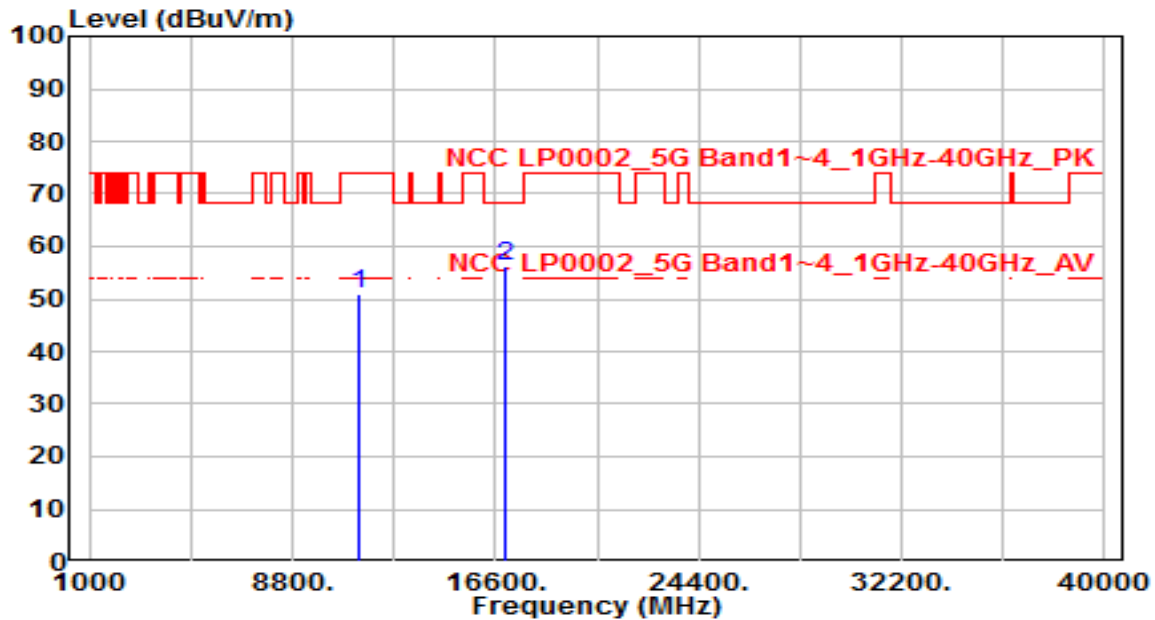


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11100.000	31.20	19.43	50.64	-23.36	74.00	150	360	Peak
2	* 16650.000	30.62	22.24	52.85	-15.35	68.20	150	360	Peak

Note:

- "*" means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band3_CH 134_ANT 0	Test Voltage	AC 110V/60Hz

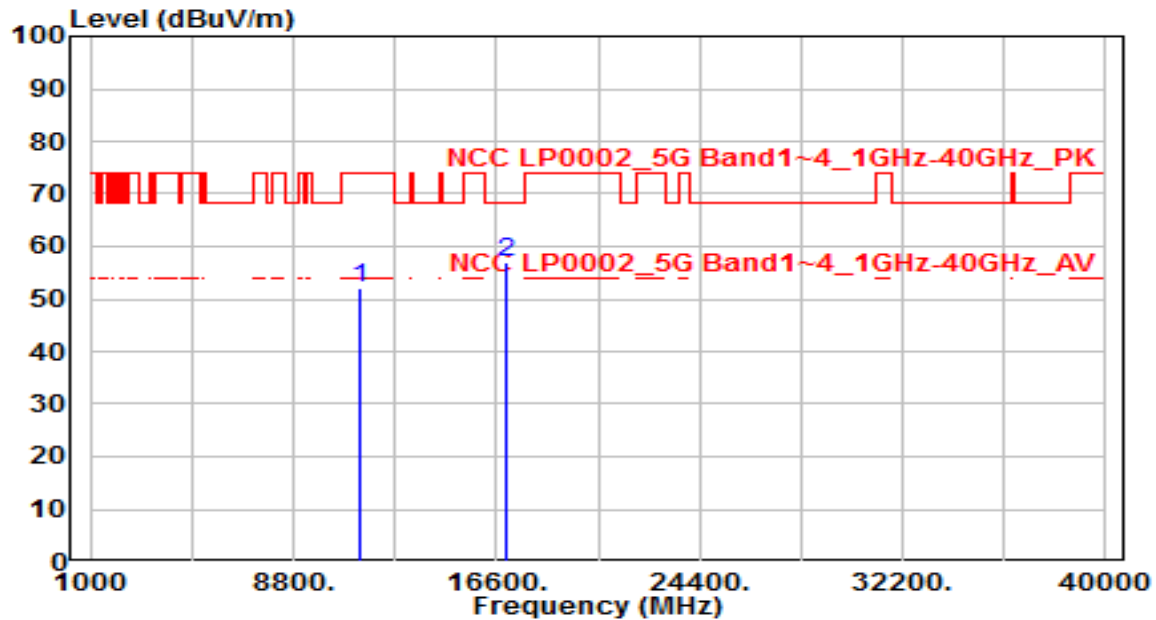


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11340.000	31.00	19.80	50.80	-23.20	74.00	150	360	Peak
2	* 17010.000	31.66	24.58	56.23	-11.97	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band3_CH 134_ANT 0	Test Voltage	AC 110V/60Hz

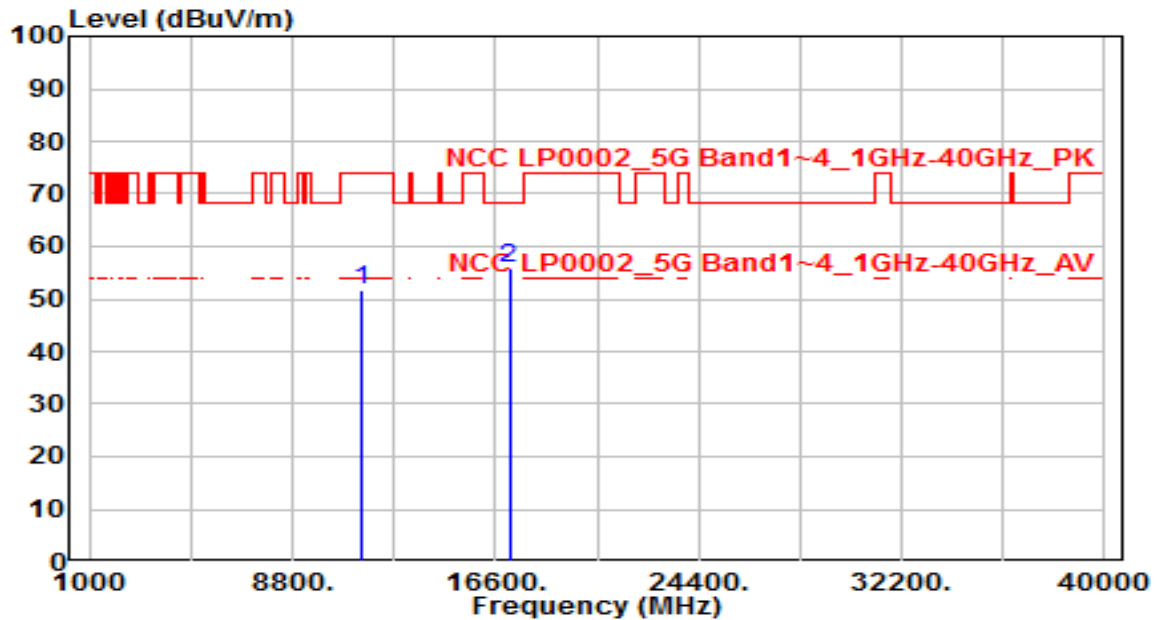


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11340.000	32.44	19.80	52.24	-21.76	74.00	150	360	Peak
2	* 17010.000	32.57	24.58	57.15	-11.05	68.20	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. No2 is not in restricted band, the limit is 68.2dBuV/m.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band3_CH 142_ANT 0	Test Voltage	AC 110V/60Hz

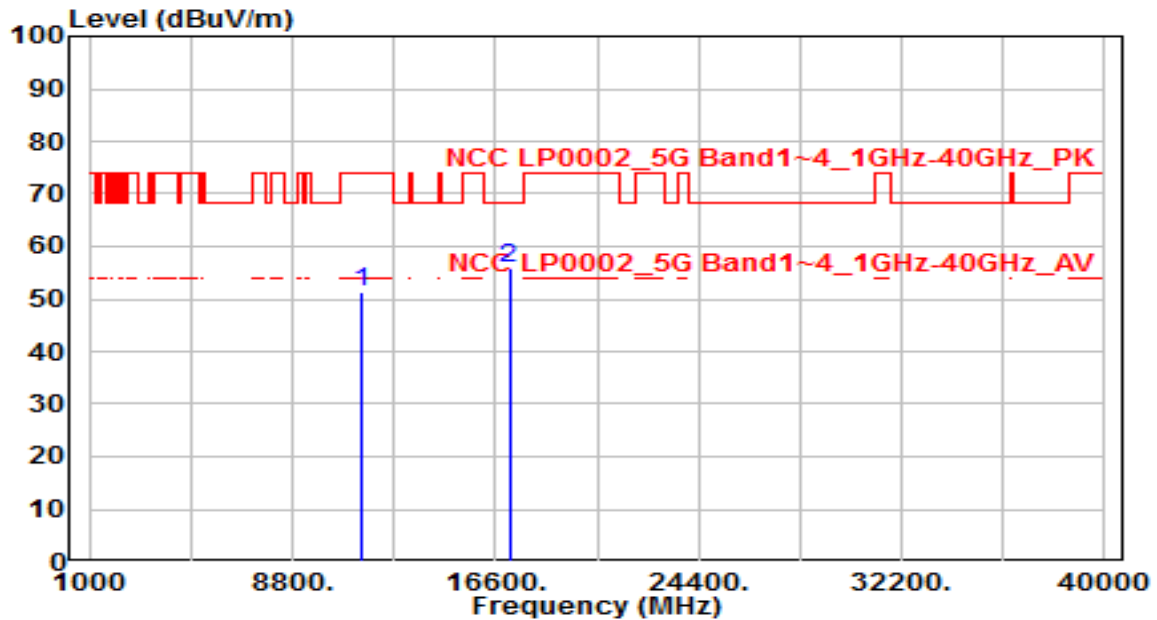


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11420.000	31.83	19.93	51.76	-22.24	74.00	150	360	Peak
2	* 17130.000	30.33	25.38	55.71	-12.49	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band3_CH 142_ANT 0	Test Voltage	AC 110V/60Hz

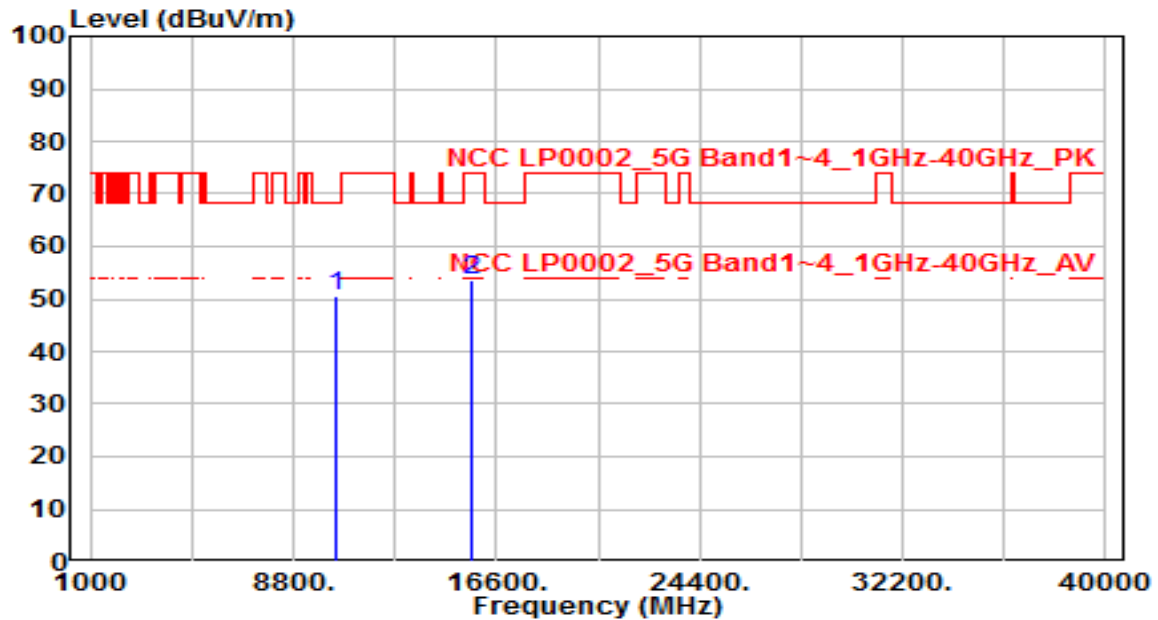


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11420.000	31.35	19.93	51.28	-22.72	74.00	150	360	Peak
2	* 17130.000	30.64	25.38	56.02	-12.18	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 110V/60Hz

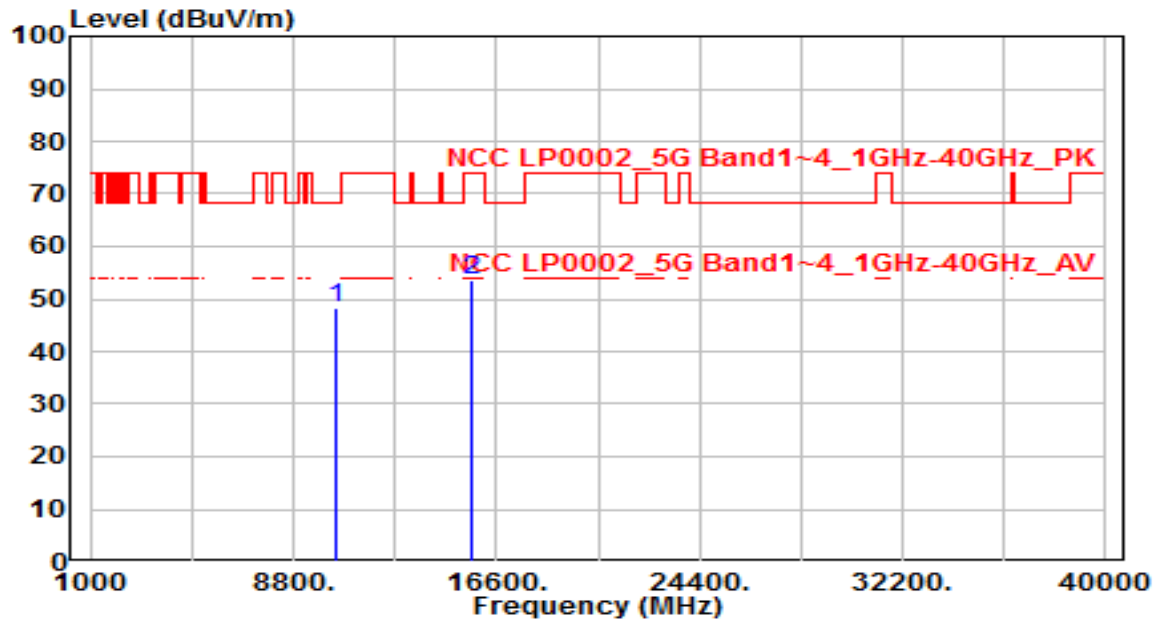


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10420.000	32.23	18.25	50.48	-17.72	68.20	150	360	Peak
2	15630.000	32.38	21.03	53.41	-20.59	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 110V/60Hz

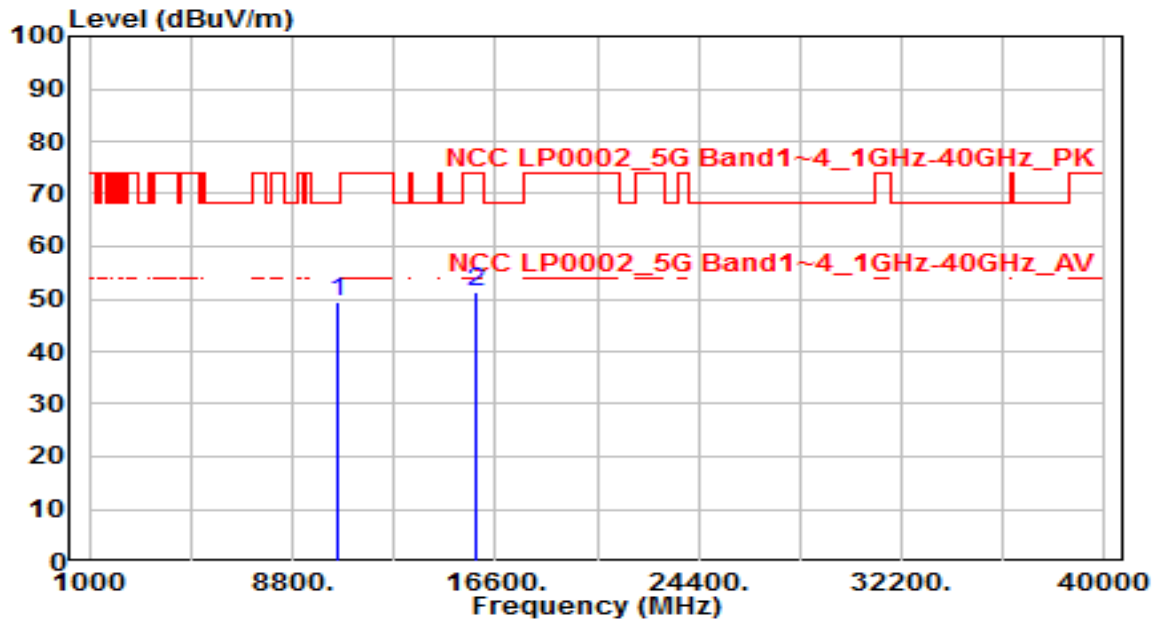


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10420.000	30.19	18.25	48.43	-19.77	68.20	150	360	Peak
2	15630.000	32.65	21.03	53.68	-20.32	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band2_CH 58_ANT 0	Test Voltage	AC 110V/60Hz

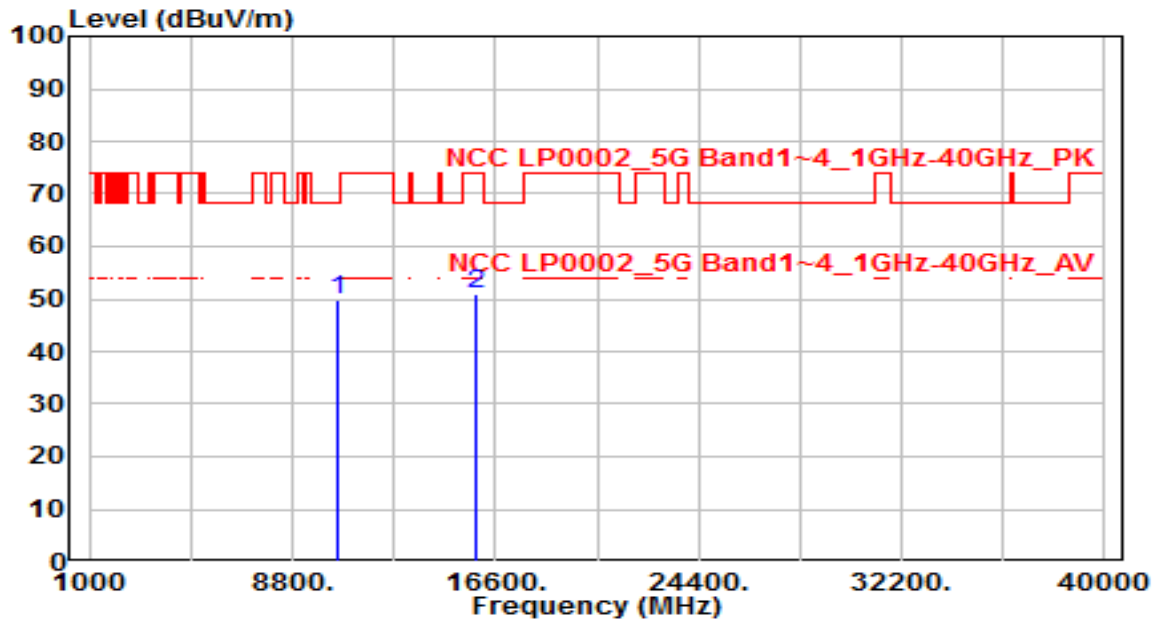


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10580.000	30.89	18.68	49.57	-18.63	68.20	150	360	Peak
2	15870.000	30.75	20.43	51.19	-22.81	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band2_CH 58_ANT 0	Test Voltage	AC 110V/60Hz

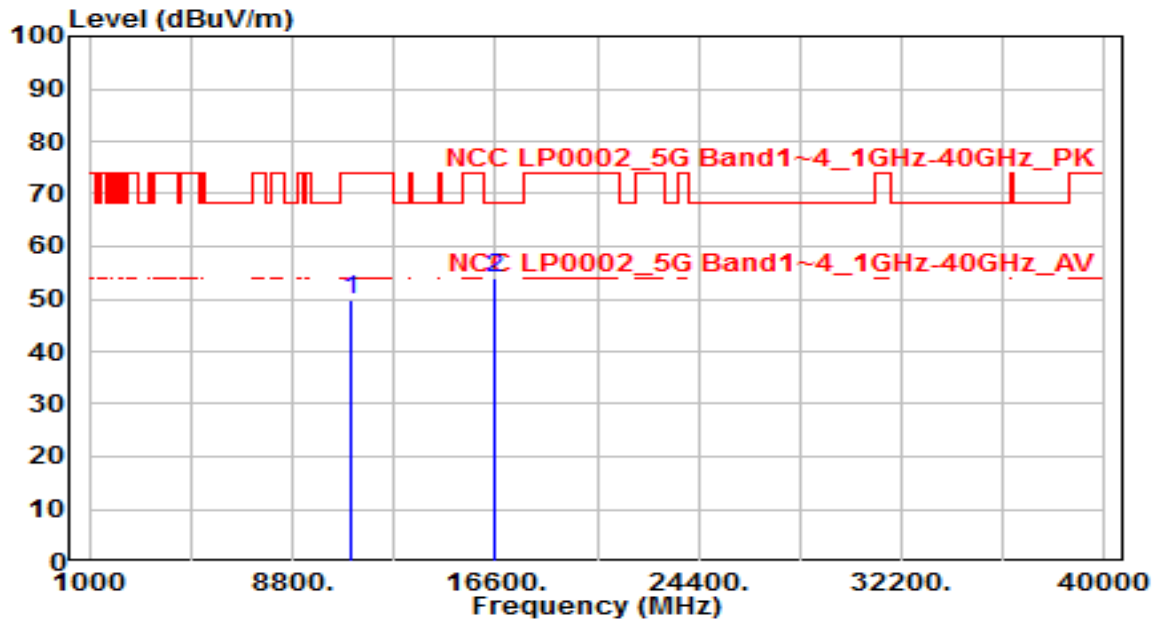


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10580.000	31.06	18.68	49.74	-18.46	68.20	150	360	Peak
2	15870.000	30.48	20.43	50.91	-23.09	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band3_CH 106_ANT 0	Test Voltage	AC 110V/60Hz

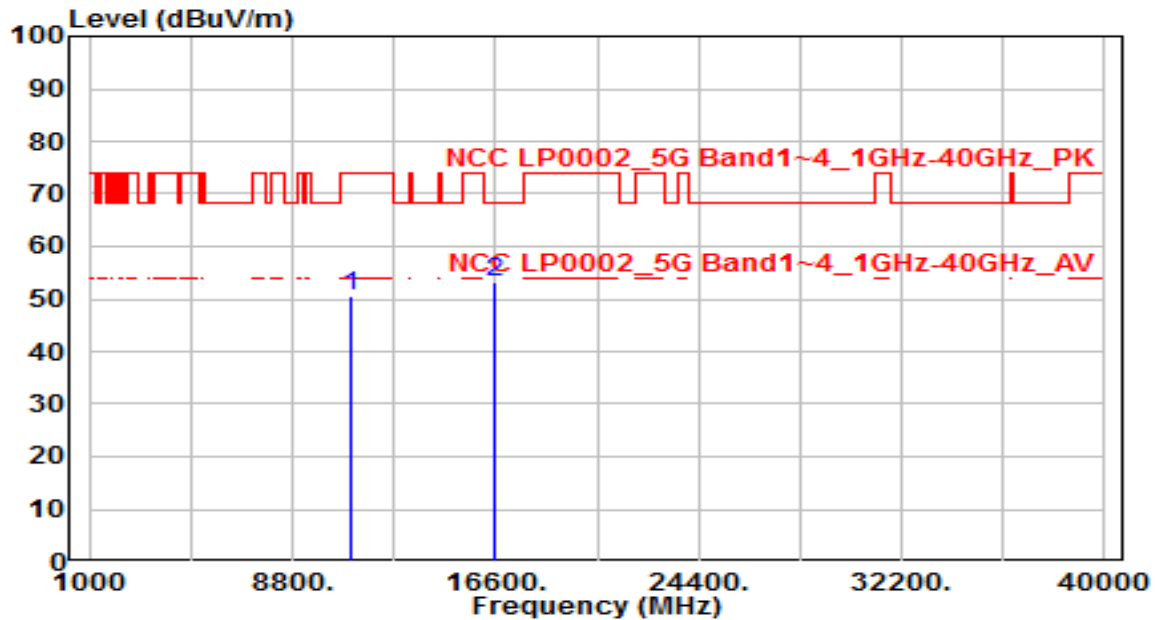


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11060.000	30.27	19.37	49.64	-24.36	74.00	150	360	Peak
2	* 16590.000	31.96	21.85	53.80	-14.40	68.20	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band3_CH 106_ANT 0	Test Voltage	AC 110V/60Hz

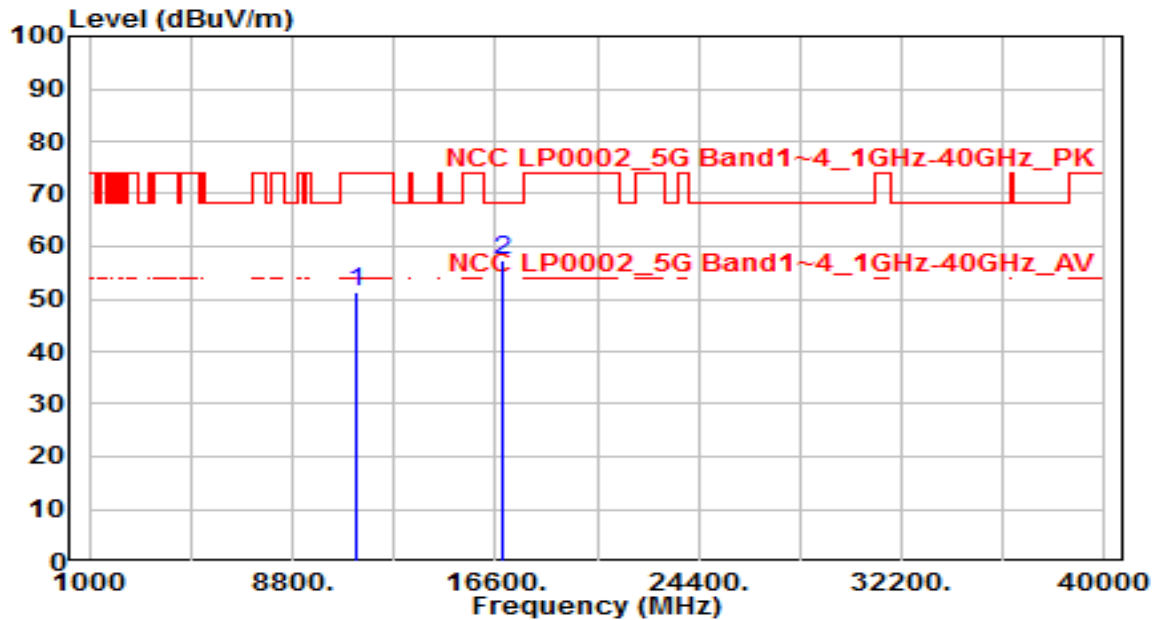


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11060.000	31.16	19.37	50.53	-23.47	74.00	150	360	Peak
2	* 16590.000	31.26	21.85	53.11	-15.09	68.20	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band3_CH 122_ANT 0	Test Voltage	AC 110V/60Hz

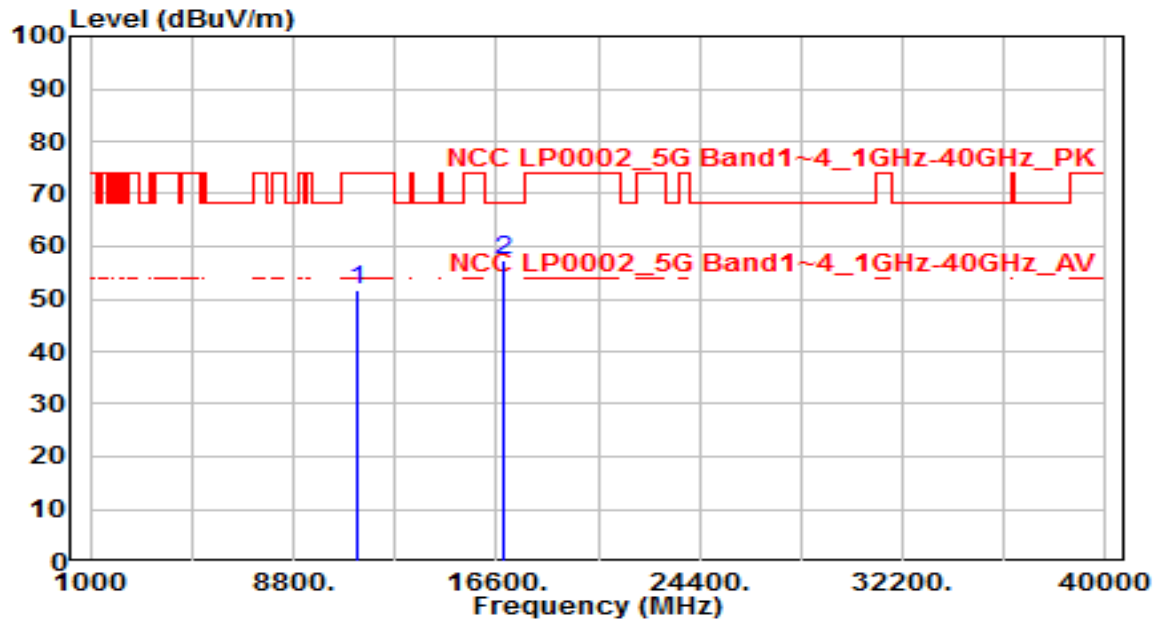


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11220.000	31.59	19.62	51.21	-22.79	74.00	150	360	Peak
2	* 16830.000	33.83	23.41	57.23	-10.97	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band3_CH 122_ANT 0	Test Voltage	AC 110V/60Hz

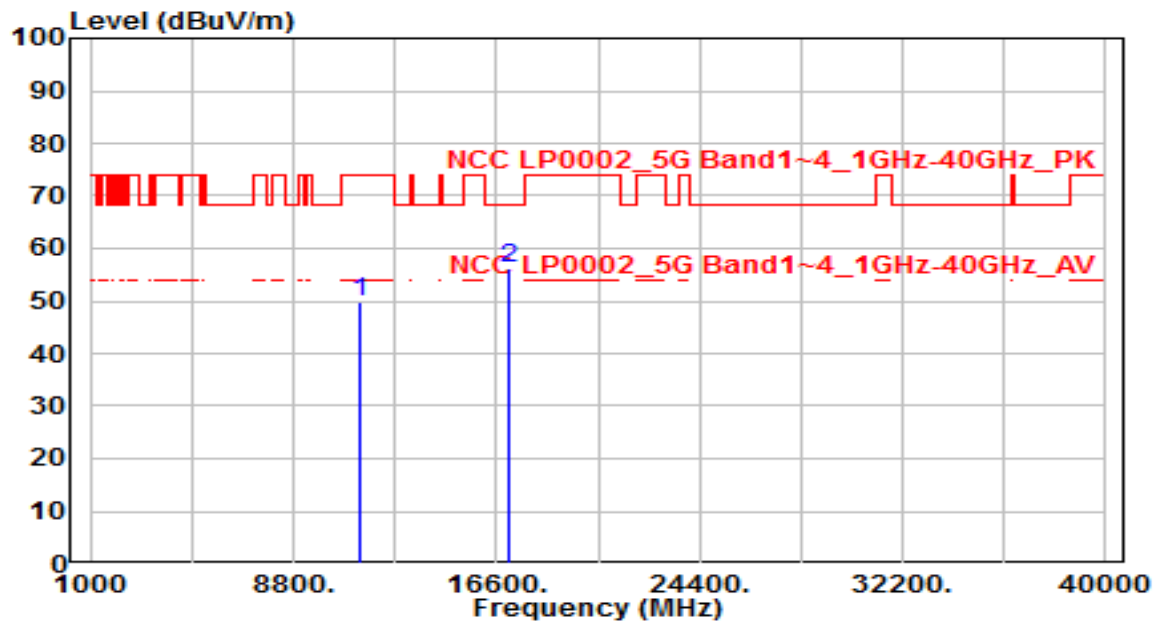


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11220.000	32.03	19.62	51.65	-22.35	74.00	150	360	Peak
2	* 16830.000	33.77	23.41	57.18	-11.02	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band3_CH 138_ANT 0	Test Voltage	AC 110V/60Hz

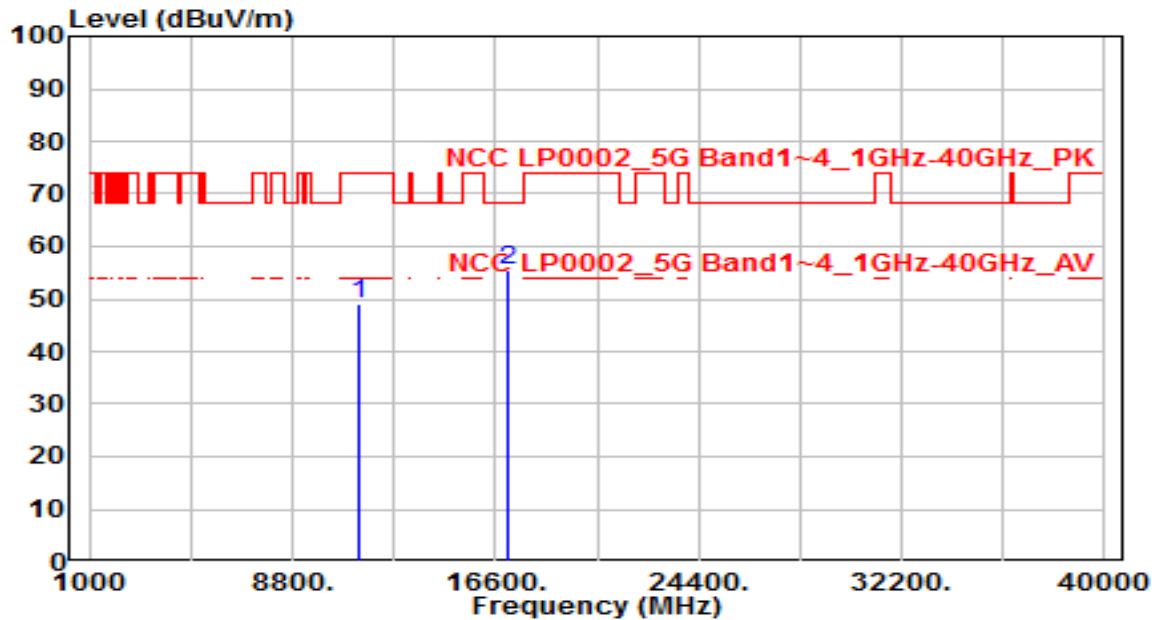


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11380.000	29.82	19.87	49.69	-24.31	74.00	150	360	Peak
2	* 17070.000	31.39	24.98	56.36	-11.84	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C /48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band3_CH 138_ANT 0	Test Voltage	AC 110V/60Hz

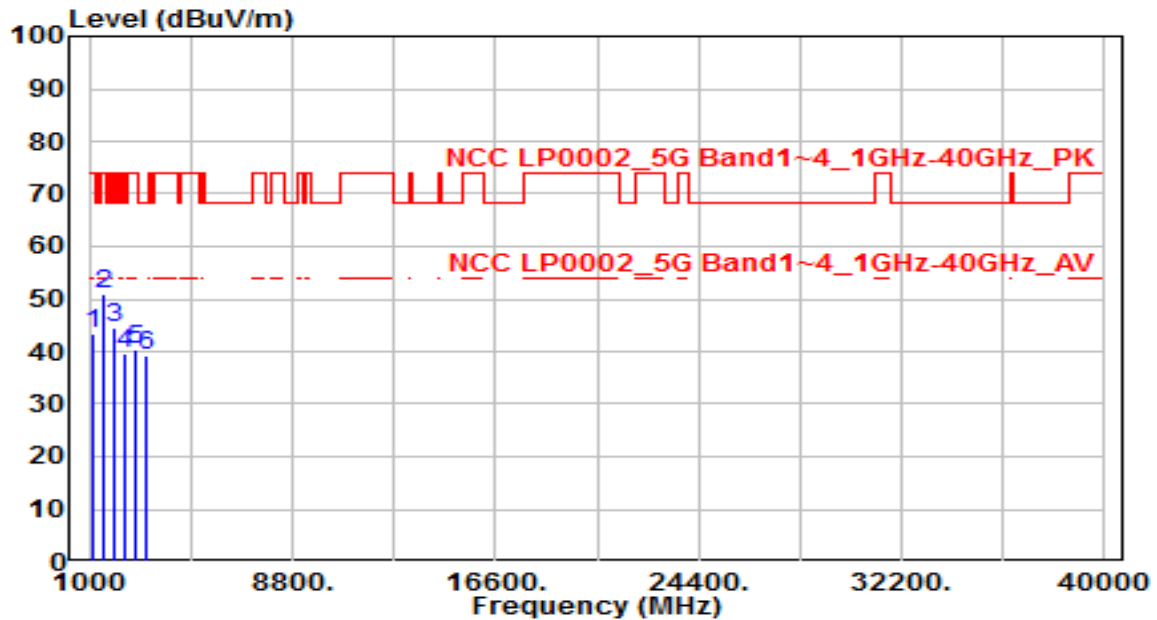


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11380.000	29.35	19.87	49.21	-24.79	74.00	150	360	Peak
2	* 17070.000	30.57	24.98	55.55	-12.65	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_RX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

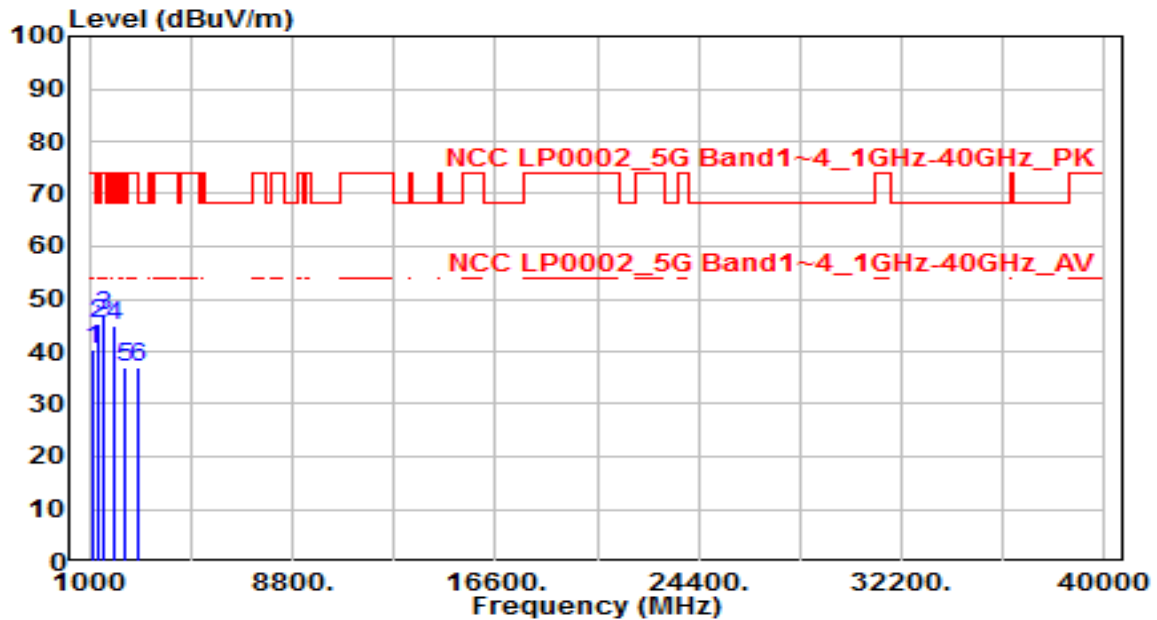


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1187.531	49.24	-5.97	43.27	-30.73	74.00	150	360	Peak
2	* 1583.844	55.42	-4.61	50.81	-23.19	74.00	150	360	Peak
3	1919.594	48.27	-3.73	44.54	-29.46	74.00	150	360	Peak
4	2375.938	41.63	-2.09	39.54	-34.46	74.00	150	360	Peak
5	2771.719	42.03	-1.68	40.35	-33.65	74.00	150	360	Peak
6	3191.938	40.48	-1.20	39.28	-28.92	68.20	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-25
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	23°C / 48%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_RX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz



No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1188.063	46.47	-5.97	40.51	-33.49	74.00	150	360	Peak
2	1385.688	50.38	-5.25	45.13	-28.87	74.00	150	360	Peak
3	* 1583.844	51.35	-4.61	46.74	-27.26	74.00	150	360	Peak
4	1919.063	48.61	-3.73	44.88	-29.12	74.00	150	360	Peak
5	2375.938	39.03	-2.09	36.94	-37.06	74.00	150	360	Peak
6	2881.156	38.57	-1.70	36.87	-37.13	74.00	150	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

5.5 頻帶邊緣

5.5.1 量測方法

待測物置於非導體桌面（落地型產品置於地上），受測物使用交流電源時，將其與任何配件設備之電源線連接至位於旋轉桌的交流電源。受測物使用電池時，測試時應裝置新電池或充電完全的電池。受測物與配件設備之電源線無須束綁，桌面上受測設備的所有電源線由桌子的後緣垂下沿旋轉桌表面接至交流插座。落地型設備的交流電源線可以方便的型態走線。桌面可360度旋轉，接收天線置於距待測物3m距離，高度可在1至4公尺間變動，以量測待測物之最大輻射電場強，接收天線並應於水平及垂直極化方向各量測一次。（待測物擺設方式根據 ANSI C63.10-2013版，待測物放置桌中心，1G以下擺設高度為80cm/1G以上擺設高度為150cm）

- (1) 任一頻率小於或等於1000 MHz 之訊號,使用CISPR準峰值檢波器
- (2) 任一頻率大於1000 MHz 之訊號，使用平均值檢波器測量，當規定之發射限制值為平均值時(含1000 MHz 以下)，受測訊號藉由峰值檢波器(RBW:1MHz,VBW:3MHz)所測量之峰值，亦須符合峰值發射限制值，其峰值發射限制值為最大容許平均值加20 dB。

備註: 若為手持式或穿戴式之裝置，需對其三個正交軸的方位評估測試，並記錄最差的數值。

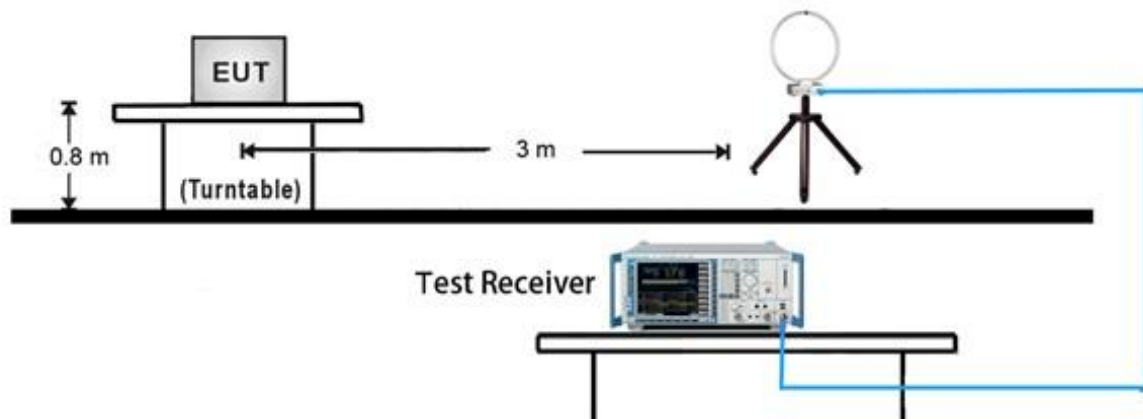
5.5.2 限制要求

除低功率射頻器材技術規範另有規定外，任何低功率射頻器材之主波皆不得使用下表所列各頻段之頻率低功率射頻器材落於下表所列頻帶內之混附發射，其電場強度必須符合低功率射頻器材技術規範之第3.6節限制規定

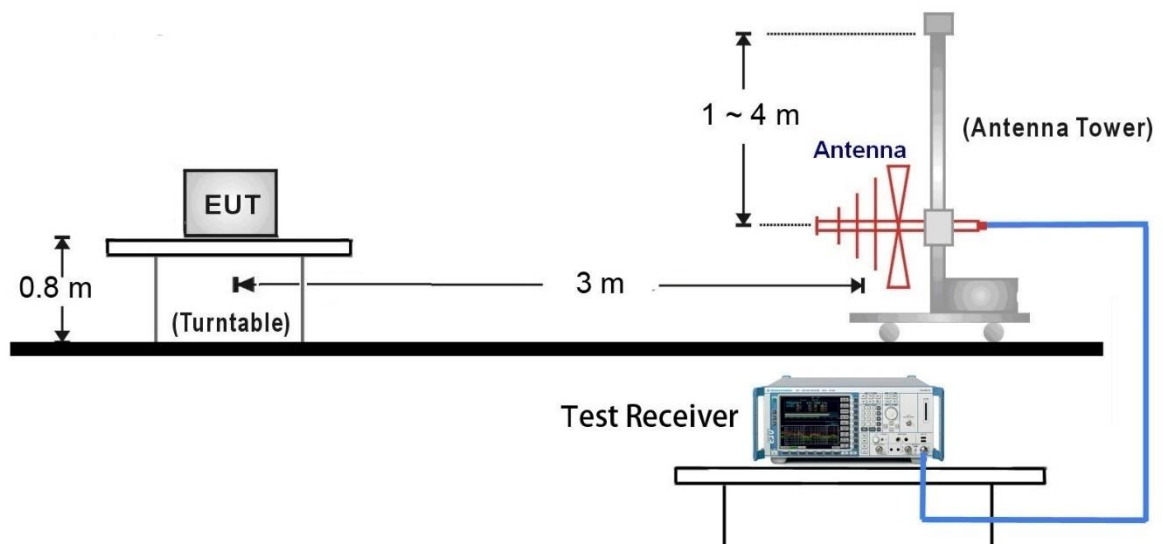
頻 率 (MHz)	頻 率 (MHz)	頻 率 (MHz)	頻 率 (MHz)	頻 率 (MHz)
0.090~0.110	25.500~25.700	703.00~748.00	2310.0~2390.0	13250~13400
0.490~0.510	37.475~38.275	758.00~803.00	2483.5~2900.0	14470~14500
2.172~2.198	73.500~75.400	825.00~915.00	3260.0~3267.0	15350~16200
3.013~3.033	108.00~138.00	930.00~1240.0	3332.0~3339.0	17700~21400
4.115~4.198	149.90~150.05	1300.0~1427.0	3345.8~3358.0	22010~23120
5.670~5.690	156.70~156.90	1435.0~1626.5	3500.0~4400.0	23600~24000
6.200~6.300	162.01~167.17	1660.0~1785.0	4500.0~5250.0	31200~31800
8.230~8.400	167.72~173.20	1805.0~1880.0	5350.0~5460.0	36430~36500
12.265~12.600	240.00~285.00	1885.0~1900.0	7250.0~7750.0	38600 以上
13.340~13.430	322.00~335.40	1905.0~1985.0	8025.0~8500.0	
14.965~15.020	399.90~410.00	2010.0~2025.0	9000.0~9200.0	
16.700~16.755	485.00~510.00	2110.0~2170.0	9300.0~9500.0	
19.965~20.020	608.00~614.00	2200.0~2300.0	10600~12700	

5.5.3 測試架構圖

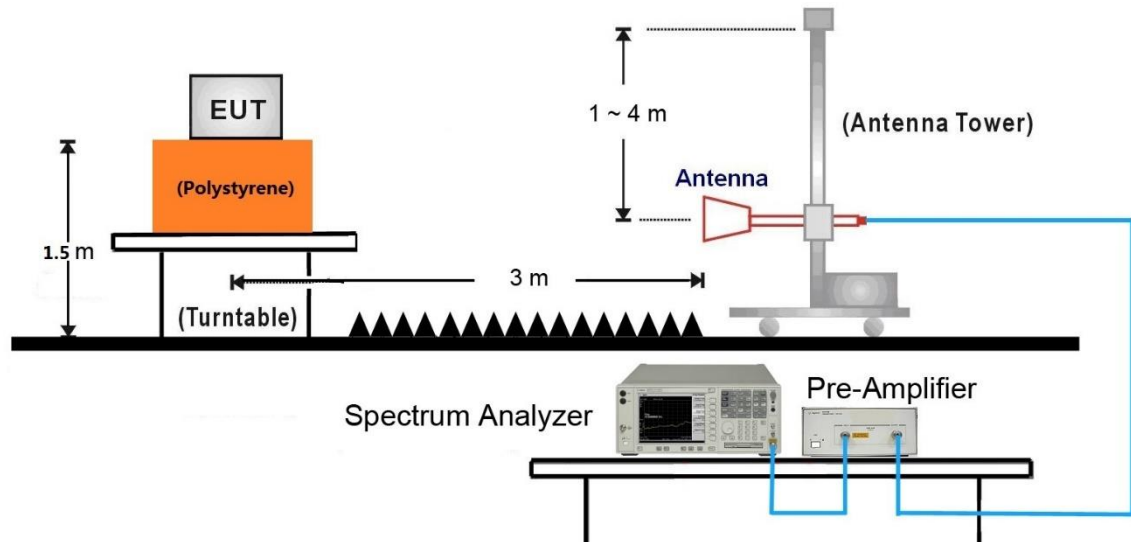
Under 30MHz Test



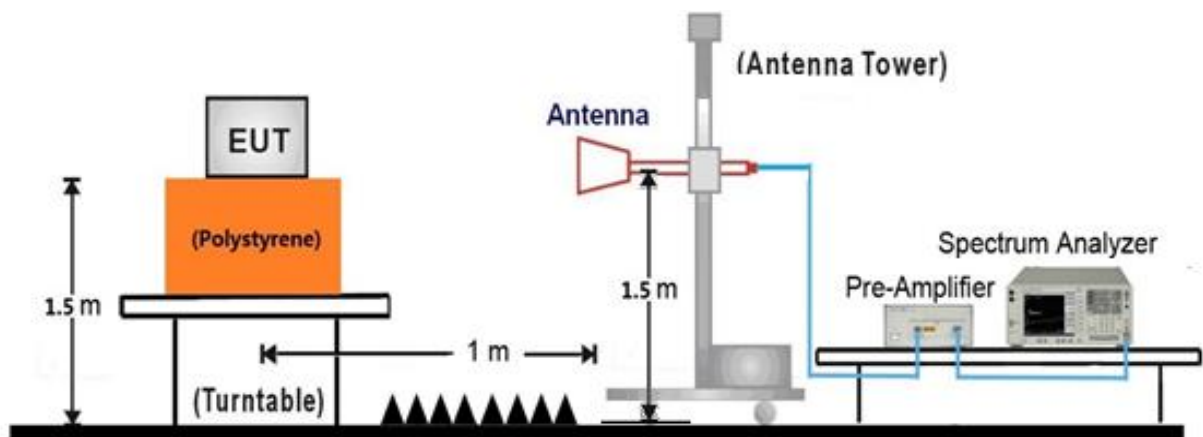
Under 1GHz Test Setup



1GHz ~ 18GHz Test Setup:

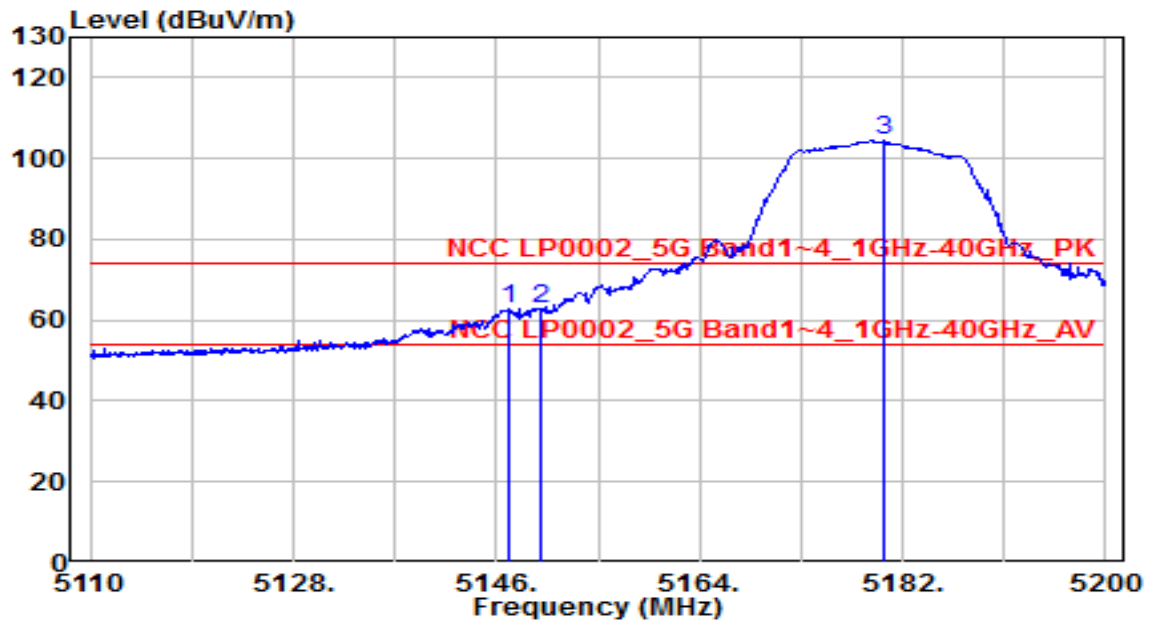


18GHz ~ 25GHz Test Setup:



5.5.4 頻帶邊緣測試結果

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

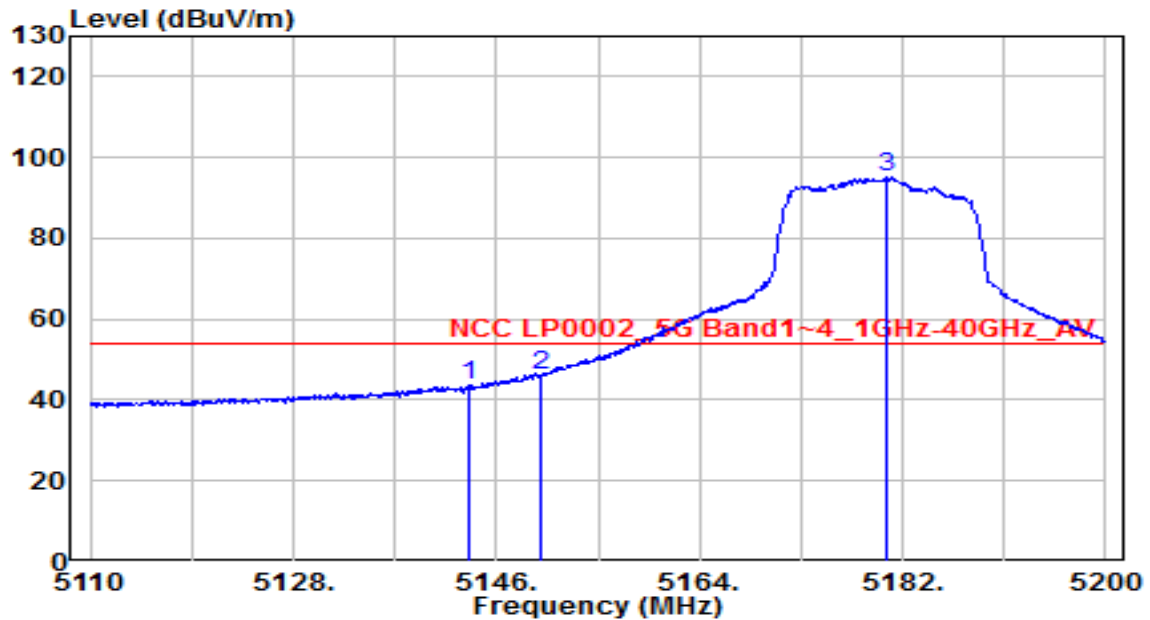


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5147.080	58.77	4.19	62.97	-11.03	74.00	150	315	Peak
2		5150.000	58.71	4.20	62.91	-11.09	74.00	150	315	Peak
3		5180.290	100.27	4.25	104.52	N/A	N/A	150	315	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

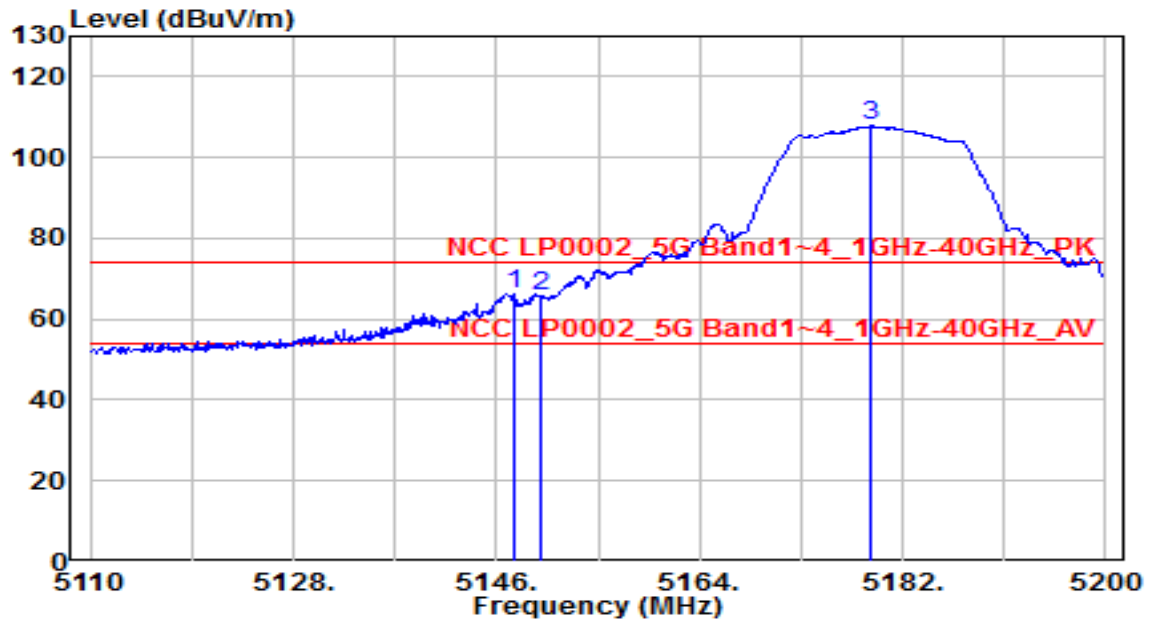


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5143.570	39.41	4.19	43.60	-10.40	54.00	150	315	Average
2	* 5150.000	41.87	4.20	46.07	-7.93	54.00	150	315	Average
3	5180.650	90.85	4.25	95.09	N/A	N/A	150	315	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C / 57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

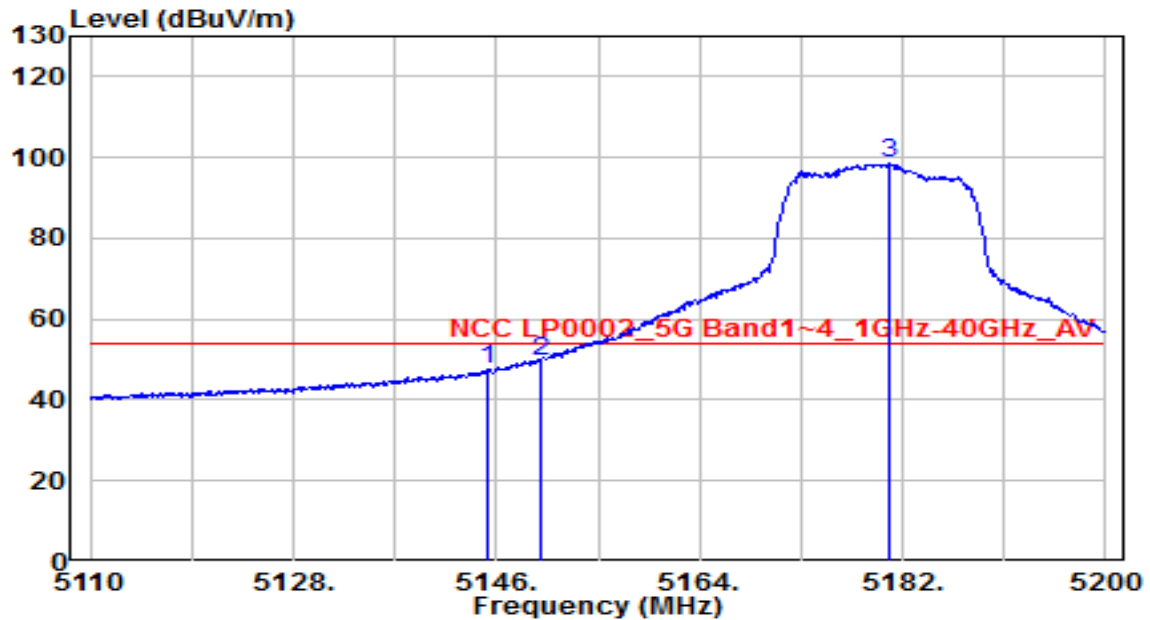


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5147.620	62.17	4.19	66.36	-7.64	74.00	245	25	Peak
2	5150.000	61.76	4.20	65.95	-8.05	74.00	245	25	Peak
3	5179.210	103.49	4.24	107.74	N/A	N/A	245	25	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

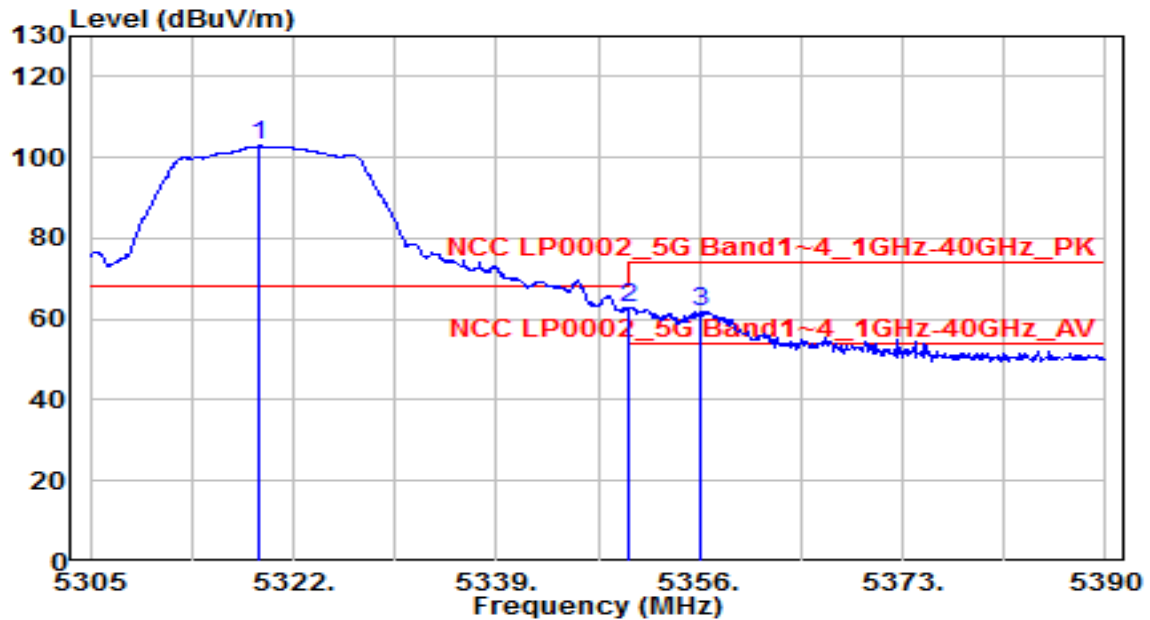


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5145.190	43.52	4.19	47.71	-6.29	54.00	245	25	Average
2	* 5150.000	45.45	4.20	49.64	-4.36	54.00	245	25	Average
3	5180.740	94.29	4.25	98.54	N/A	N/A	245	25	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band2_CH 64_ANT 0	Test Voltage	AC 110V/60Hz

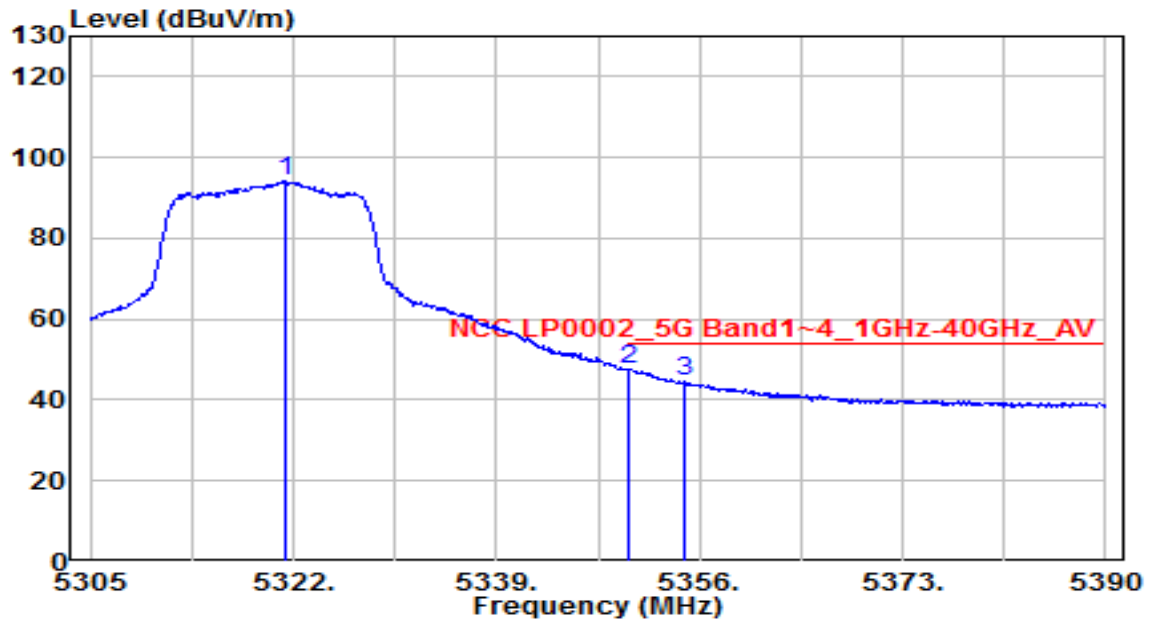


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5319.110	98.36	4.47	102.83	N/A	N/A	130	45	Peak
2	* 5350.000	58.23	4.52	62.75	-5.45	68.20	130	45	Peak
3	5356.085	57.50	4.53	62.04	-11.96	74.00	130	45	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band2_CH 64_ANT 0	Test Voltage	AC 110V/60Hz

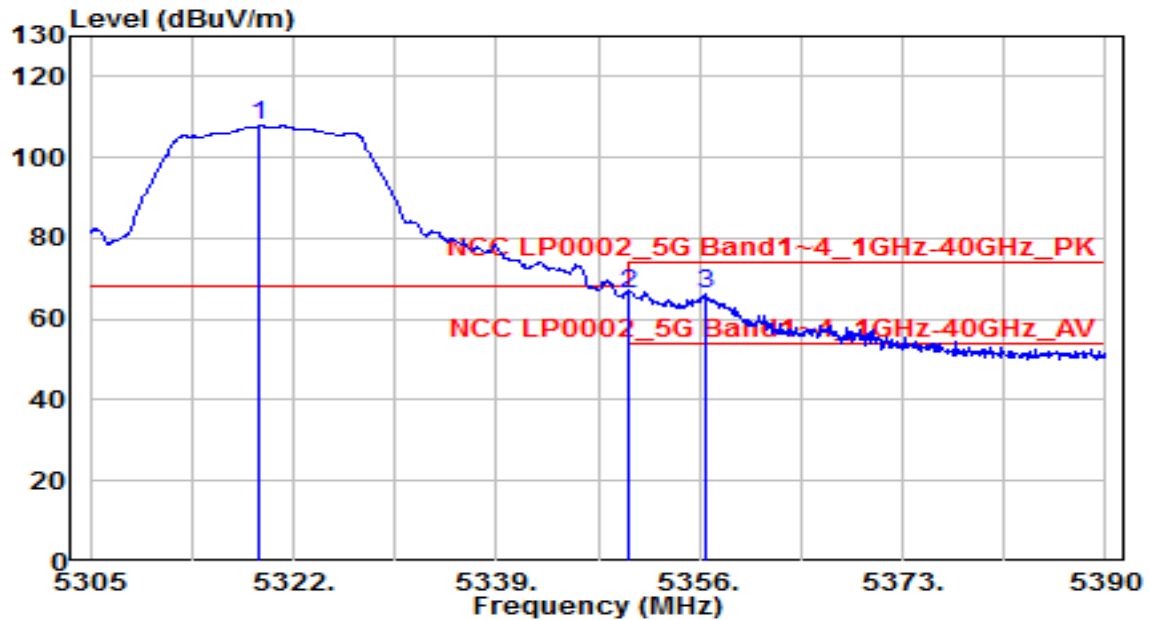


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5321.320	89.66	4.48	94.14	N/A	N/A	130	45	Average
2	* 5350.000	43.05	4.52	47.58	-6.42	54.00	130	45	Average
3	5354.640	40.15	4.53	44.68	-9.32	54.00	130	45	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band2_CH 64_ANT 0	Test Voltage	AC 110V/60Hz

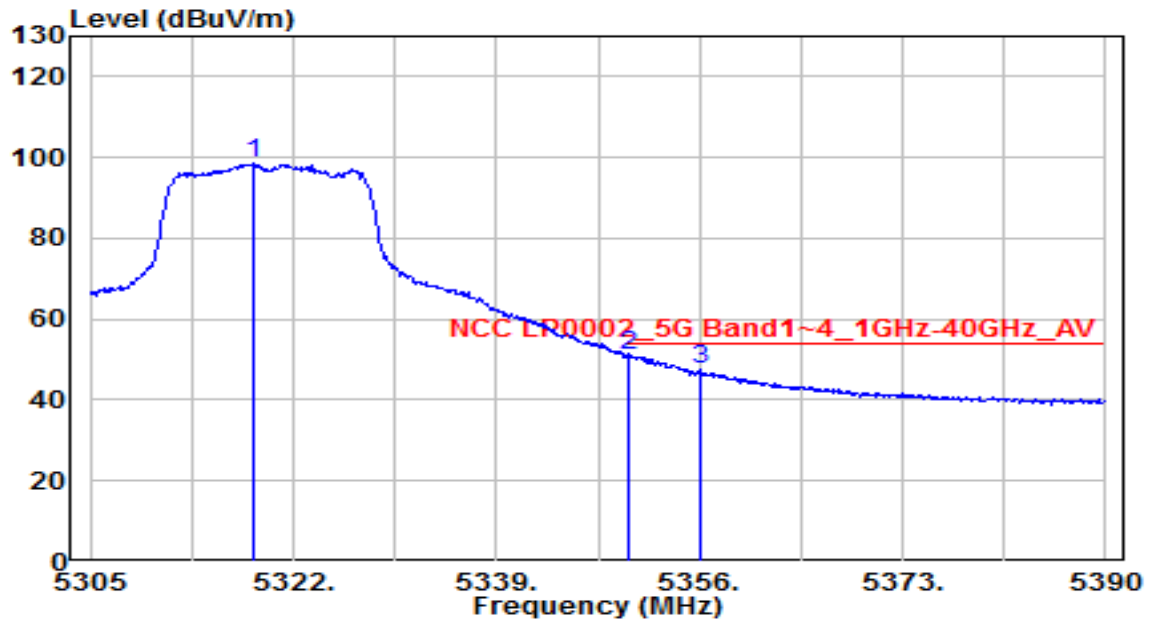


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5319.195	103.34	4.47	107.82	N/A	N/A	185	330	Peak
2	* 5350.000	61.89	4.52	66.41	-1.79	68.20	185	330	Peak
3	5356.425	61.81	4.53	66.35	-7.65	74.00	185	330	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band2_CH 64_ANT 0	Test Voltage	AC 110V/60Hz

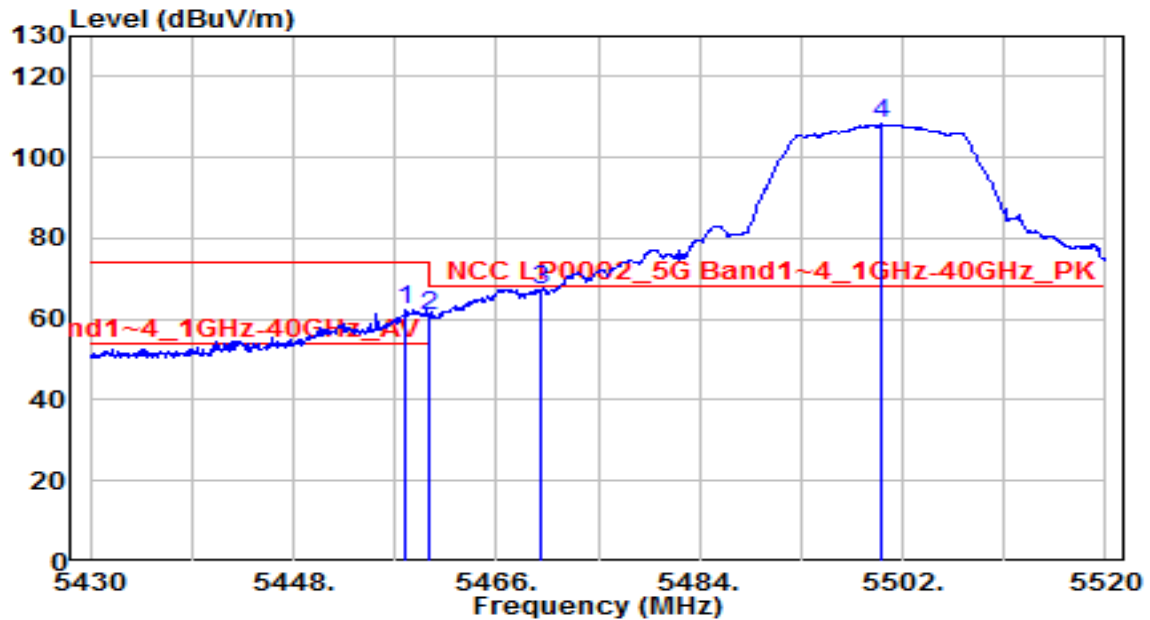


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5318.685	93.93	4.47	98.41	N/A	N/A	185	335	Average
2	* 5350.000	46.46	4.52	50.98	-3.02	54.00	185	330	Average
3	5356.085	42.85	4.53	47.38	-6.62	54.00	185	330	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band3_CH 100_ANT 0	Test Voltage	AC 110V/60Hz

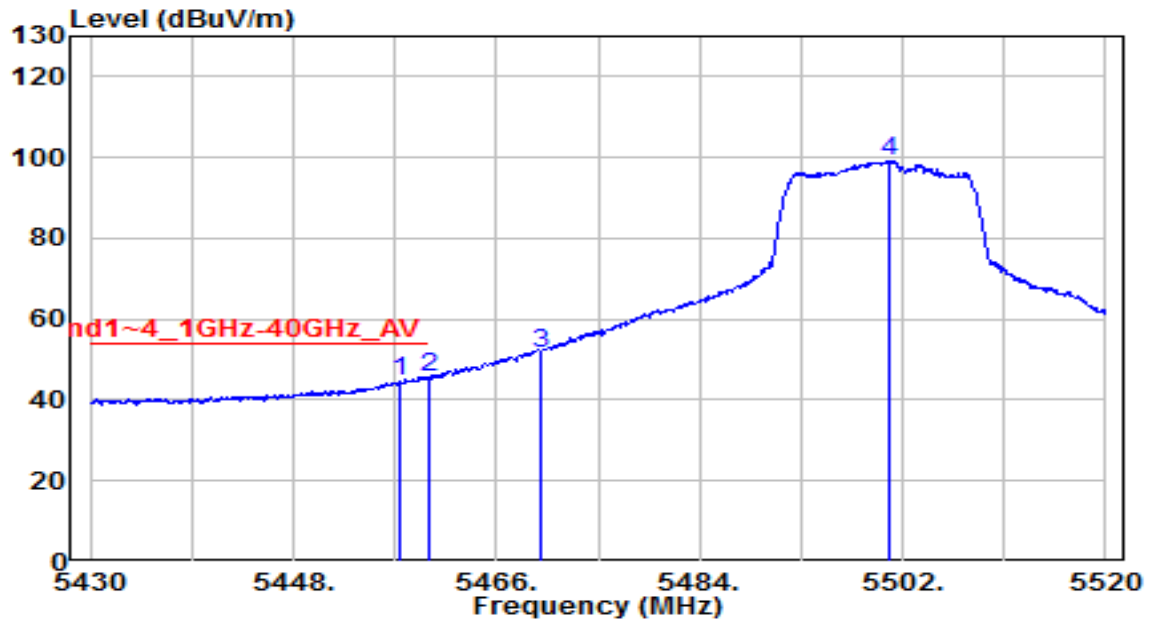


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5457.900	57.55	4.70	62.25	-11.75	74.00	195	10	Peak
2	5460.000	55.95	4.70	60.66	-7.54	68.20	195	10	Peak
3	* 5470.000	62.59	4.72	67.31	-0.89	68.20	195	10	Peak
4	5500.020	103.49	4.77	108.26	N/A	N/A	195	10	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band3_CH 100_ANT 0	Test Voltage	AC 110V/60Hz

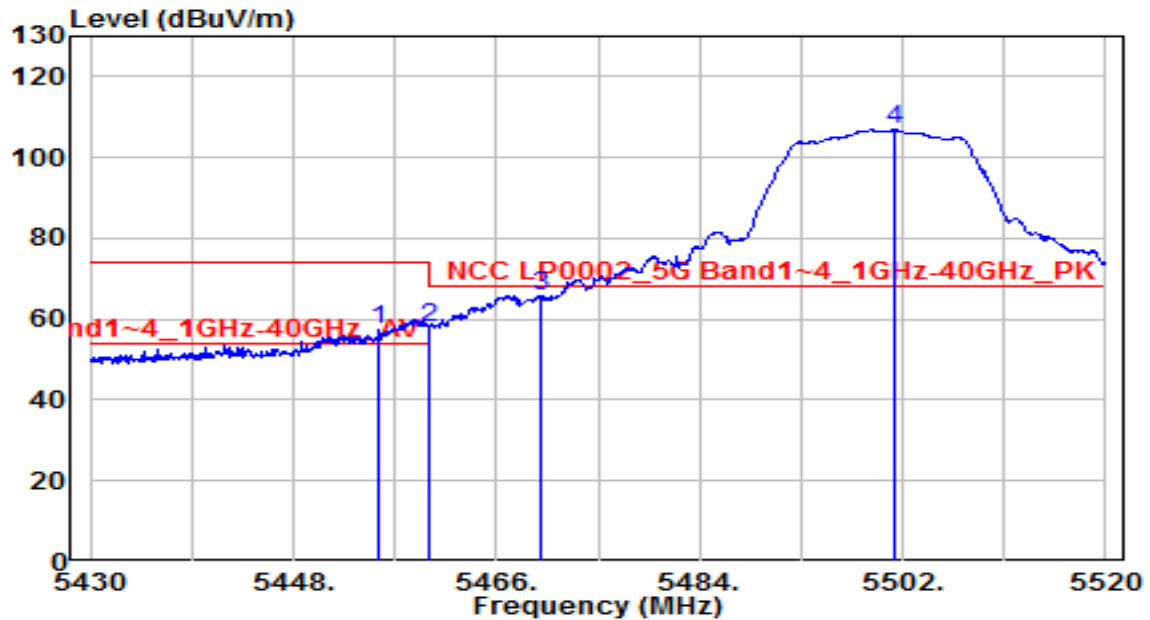


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5457.450	40.06	4.70	44.76	-9.24	54.00	195	10	Average
2	* 5460.000	40.84	4.70	45.54	-8.46	54.00	195	10	Average
3	5470.000	46.97	4.72	51.69	N/A	N/A	195	10	Average
4	5500.920	94.37	4.77	99.14	N/A	N/A	195	10	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band3_CH 100_ANT 0	Test Voltage	AC 110V/60Hz

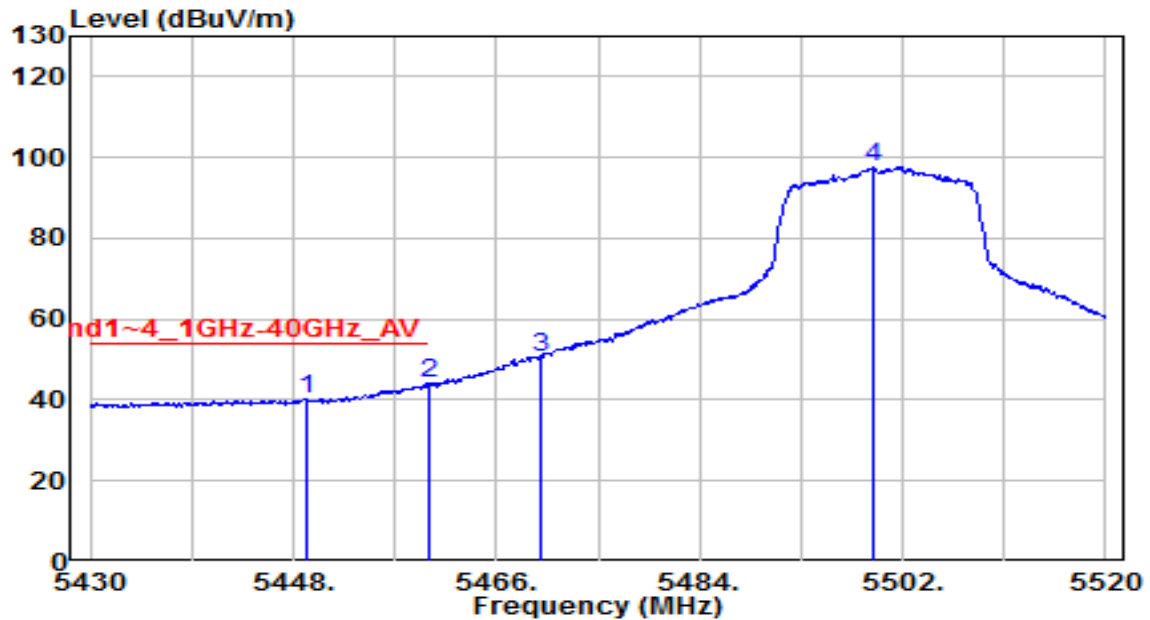


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5455.650	52.55	4.70	57.25	-16.75	74.00	165	345	Peak
2	5460.000	53.35	4.70	58.05	-10.15	68.20	165	345	Peak
3 *	5470.000	60.81	4.72	65.53	-2.67	68.20	165	345	Peak
4	5501.190	101.98	4.77	106.76	N/A	N/A	165	345	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band3_CH 100_ANT 0	Test Voltage	AC 110V/60Hz

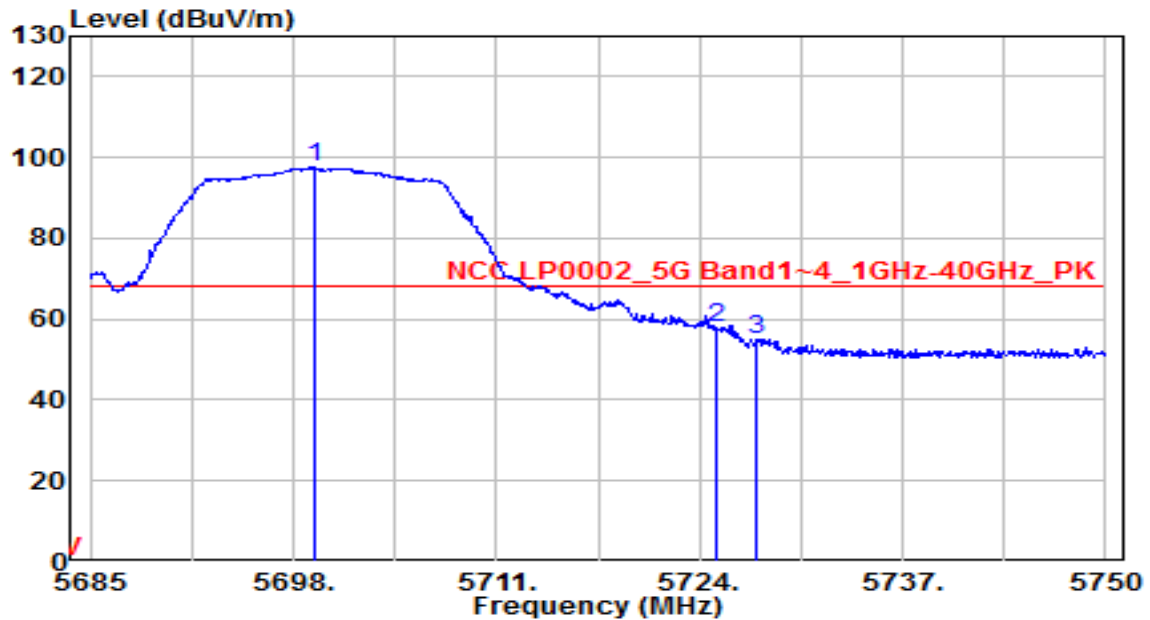


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5449.170	35.59	4.69	40.28	-13.72	54.00	165	345	Average
2	* 5460.000	39.42	4.70	44.12	-9.88	54.00	165	345	Average
3	5470.000	45.90	4.72	50.62	N/A	N/A	165	345	Average
4	5499.300	92.78	4.77	97.55	N/A	N/A	165	345	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band3_CH 140_ANT 0	Test Voltage	AC 110V/60Hz

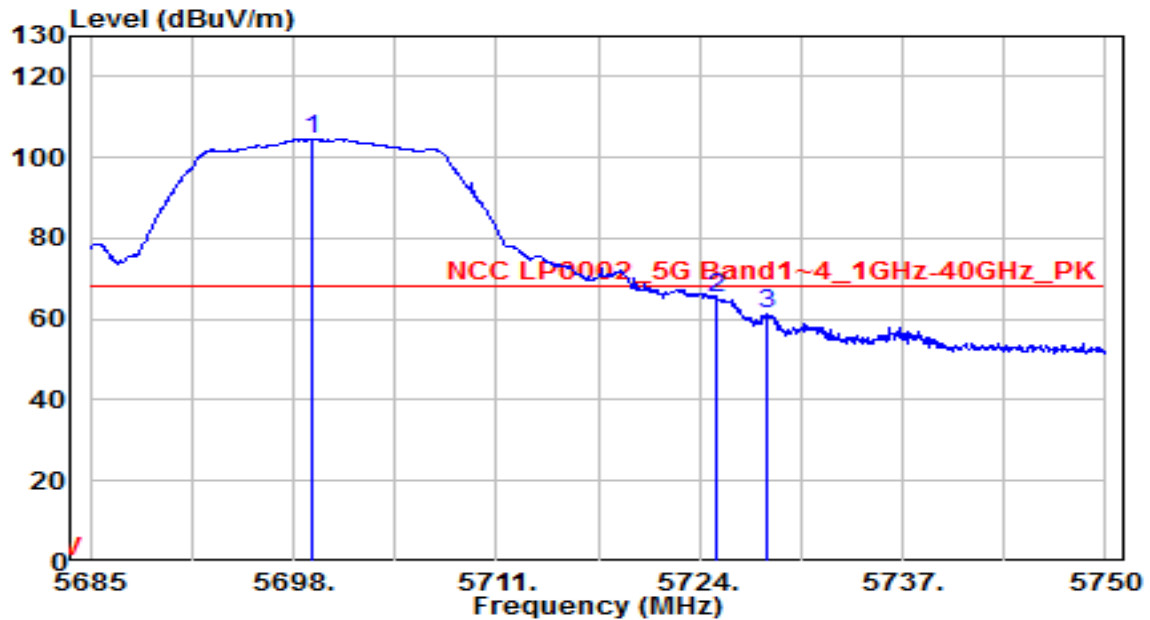


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5699.300	92.14	5.50	97.64	N/A	N/A	150	350	Peak
2	* 5725.000	52.52	5.59	58.11	-10.09	68.20	150	350	Peak
3	5727.640	49.43	5.60	55.02	-13.18	68.20	150	350	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band3_CH 140_ANT 0	Test Voltage	AC 110V/60Hz

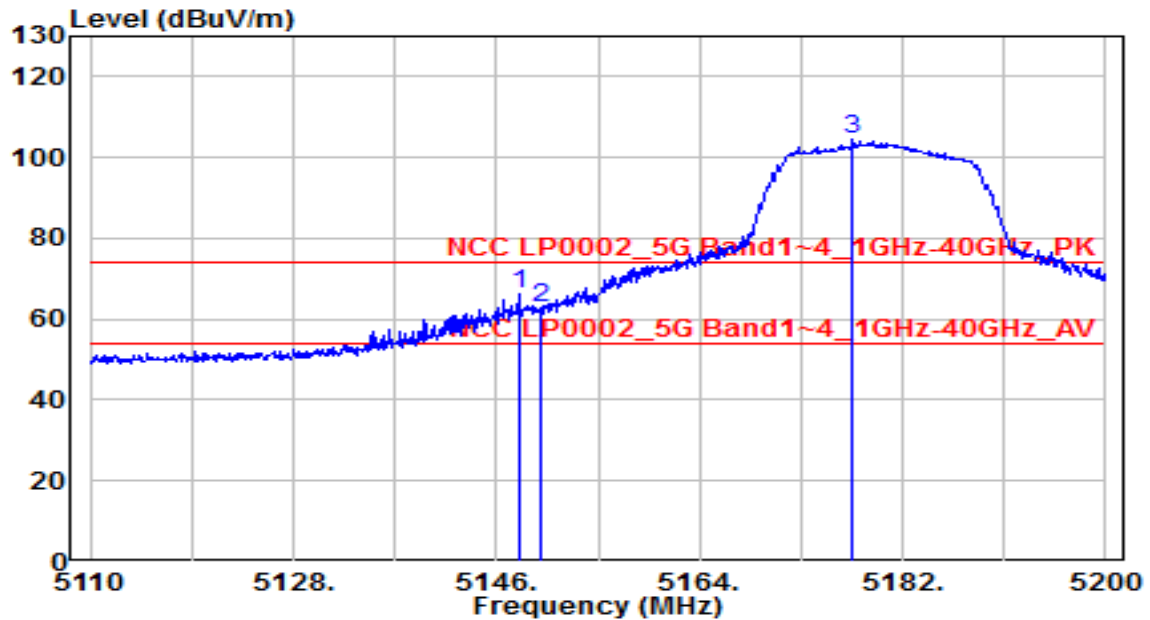


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5699.170	99.19	5.49	104.69	N/A	N/A	150	325	Peak
2	* 5725.000	59.53	5.59	65.12	-3.08	68.20	150	325	Peak
3	5728.290	55.62	5.60	61.22	-6.98	68.20	150	325	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

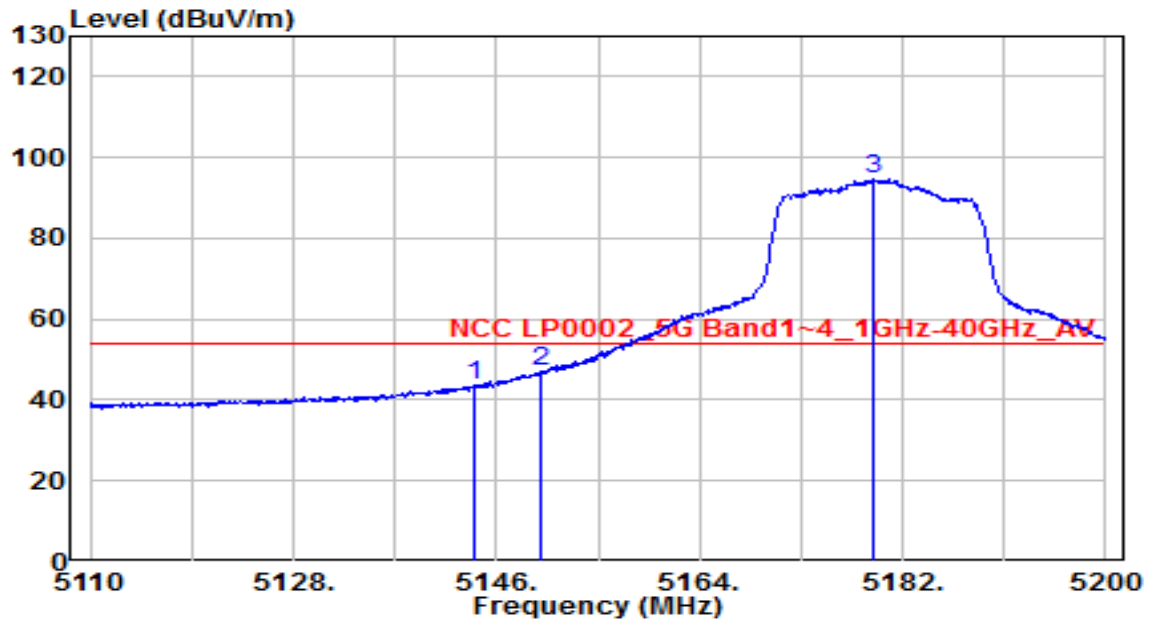


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5147.980	61.90	4.19	66.09	-7.91	74.00	150	315	Peak
2	5150.000	58.71	4.20	62.91	-11.09	74.00	150	315	Peak
3	5177.590	100.00	4.24	104.25	N/A	N/A	150	315	Peak

Note:

1. "*", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

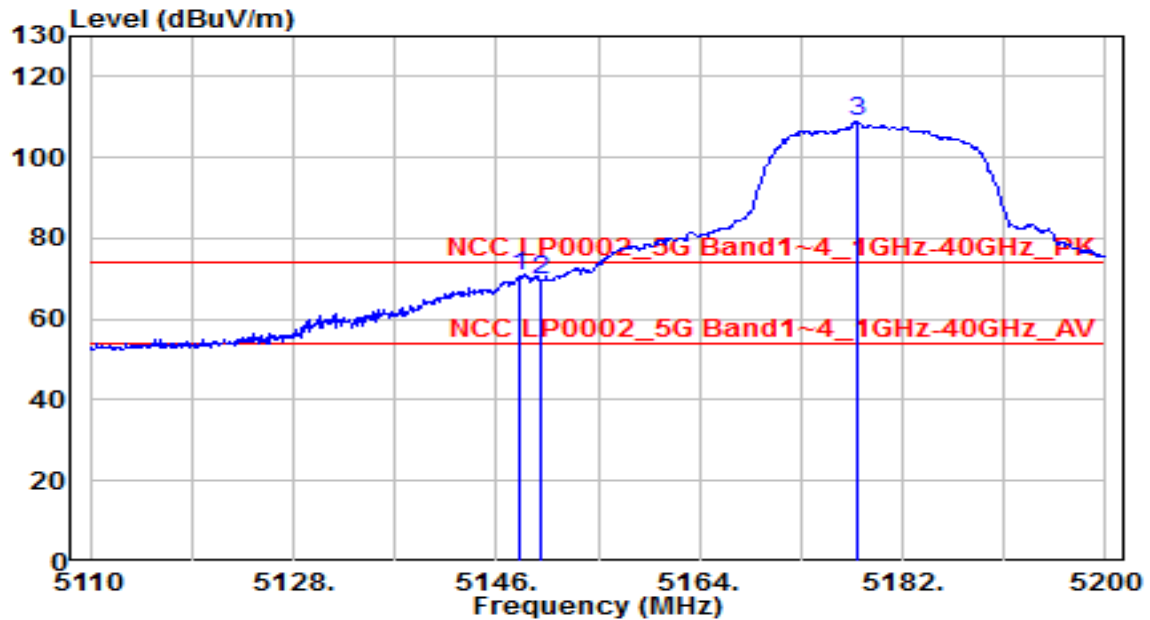


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5144.110	39.47	4.19	43.66	-10.34	54.00	150	315	Average
2	* 5150.000	42.99	4.20	47.19	-6.81	54.00	150	315	Average
3	5179.390	90.34	4.24	94.59	N/A	N/A	150	315	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C / 57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

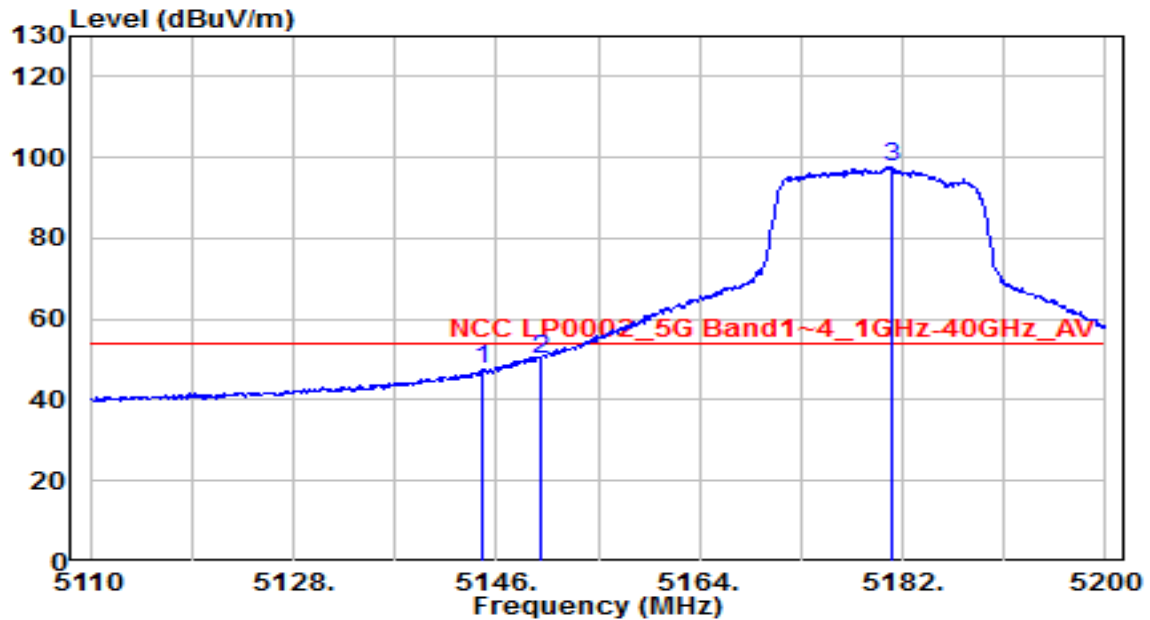


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5147.980	66.24	4.19	70.43	-3.57	74.00	245	25	Peak
2	5150.000	65.53	4.20	69.72	-4.28	74.00	245	25	Peak
3	5178.040	104.59	4.24	108.83	N/A	N/A	245	25	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

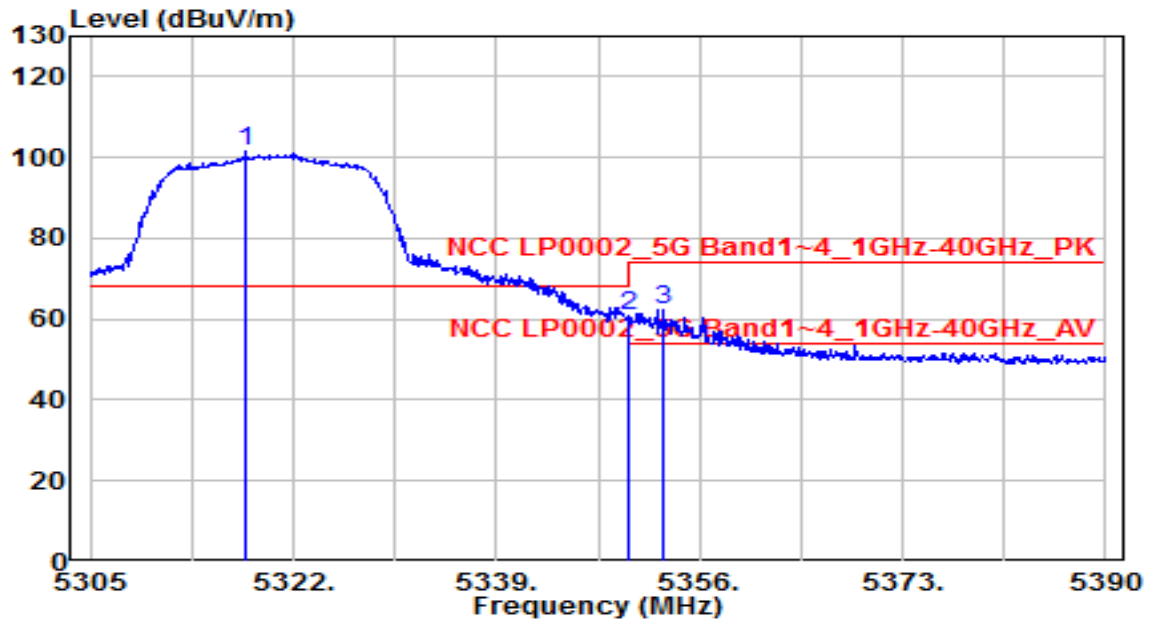


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5144.650	43.34	4.19	47.52	-6.48	54.00	245	25	Average
2	* 5150.000	45.84	4.20	50.03	-3.97	54.00	245	25	Average
3	5181.010	93.56	4.25	97.80	N/A	N/A	245	25	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C / 57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band2_CH 64_ANT 0	Test Voltage	AC 110V/60Hz

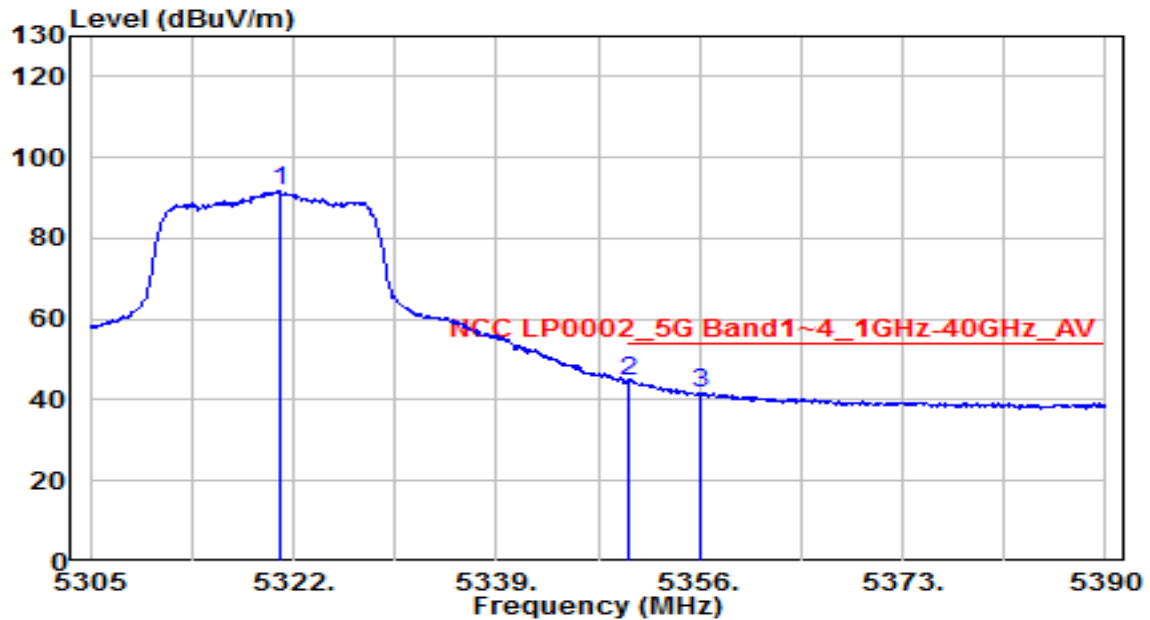


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5318.090	97.03	4.47	101.50	N/A	N/A	130	45	Peak
2	* 5350.000	56.53	4.52	61.05	-7.15	68.20	130	45	Peak
3	5352.940	57.59	4.53	62.12	-11.88	74.00	130	45	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band2_CH 64_ANT 0	Test Voltage	AC 110V/60Hz

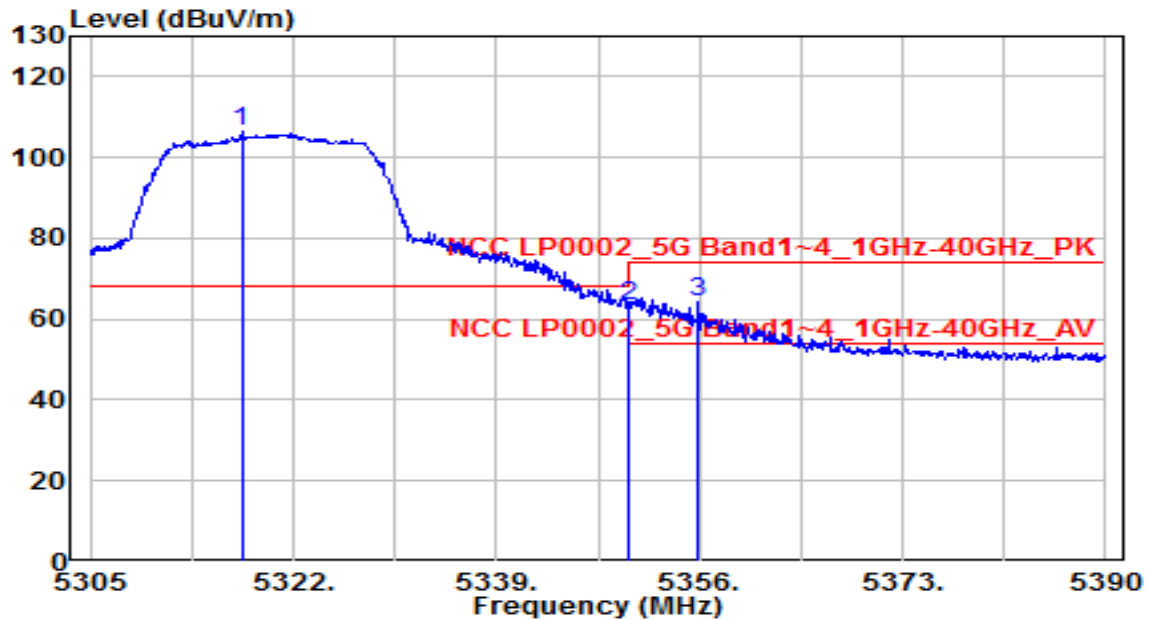


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5320.810	87.02	4.48	91.50	N/A	N/A	130	45	Average
2	* 5350.000	40.21	4.52	44.74	-9.26	54.00	130	45	Average
3	5356.085	37.22	4.53	41.76	-12.24	54.00	130	45	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band2_CH 64_ANT 0	Test Voltage	AC 110V/60Hz

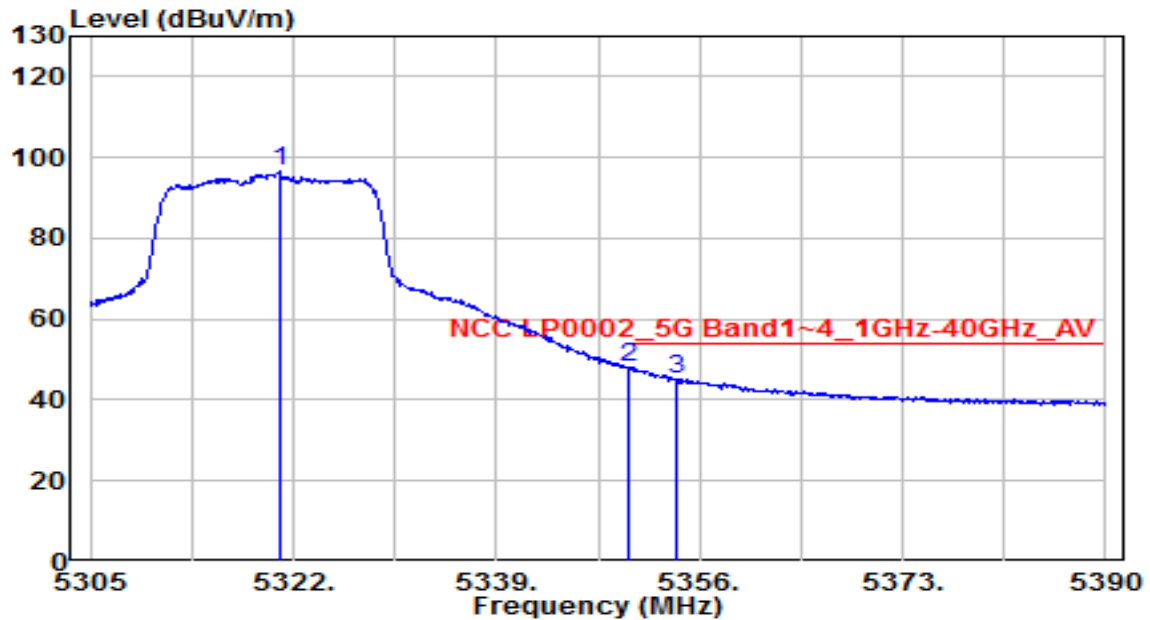


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5317.665	101.94	4.47	106.41	N/A	N/A	185	335	Peak
2	* 5350.000	58.61	4.52	63.13	-5.07	68.20	185	330	Peak
3	5355.915	59.52	4.53	64.05	-9.95	74.00	185	330	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band2_CH 64_ANT 0	Test Voltage	AC 110V/60Hz

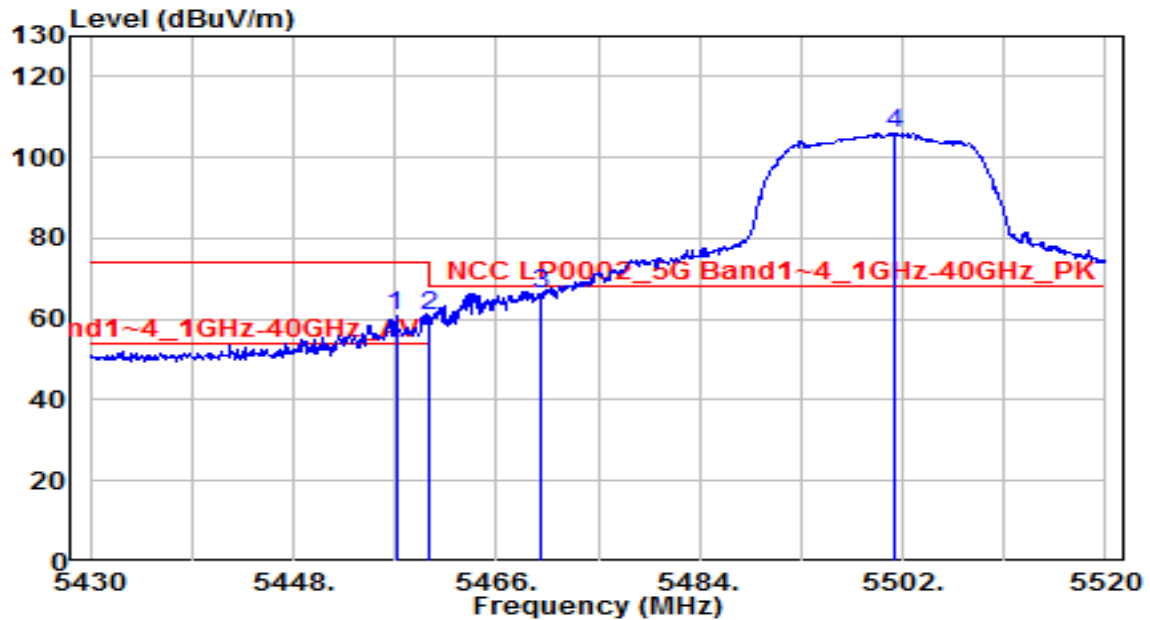


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5320.810	92.01	4.48	96.49	N/A	N/A	185	335	Average
2	* 5350.000	43.40	4.52	47.92	-6.08	54.00	185	335	Average
3	5354.130	40.83	4.53	45.36	-8.64	54.00	185	335	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band3_CH 100_ANT 0	Test Voltage	AC 110V/60Hz

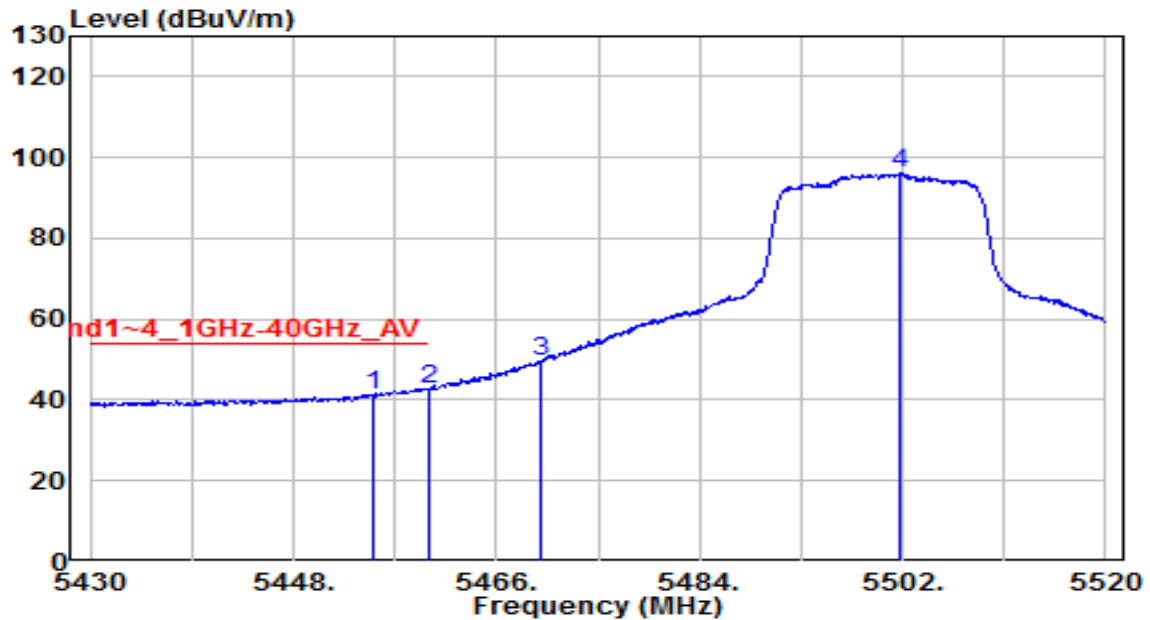


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5457.090	55.99	4.70	60.69	-13.31	74.00	195	10	Peak
2	5460.000	56.06	4.70	60.77	-7.43	68.20	195	10	Peak
3	* 5470.000	61.56	4.72	66.29	-1.91	68.20	195	10	Peak
4	5501.190	101.42	4.77	106.20	N/A	N/A	195	10	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band3_CH 100_ANT 0	Test Voltage	AC 110V/60Hz

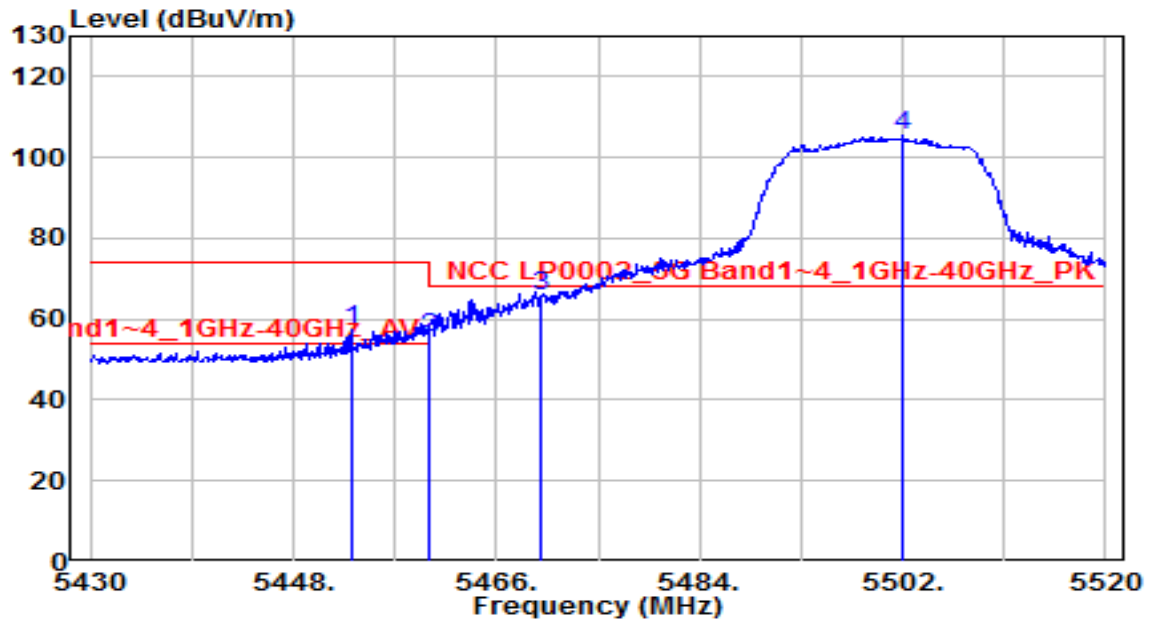


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5455.110	36.68	4.70	41.38	-12.62	54.00	195	10	Average
2	* 5460.000	37.83	4.70	42.53	-11.47	54.00	195	10	Average
3	5470.000	44.91	4.72	49.63	N/A	N/A	195	10	Average
4	5501.730	91.33	4.78	96.11	N/A	N/A	195	10	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band3_CH 100_ANT 0	Test Voltage	AC 110V/60Hz

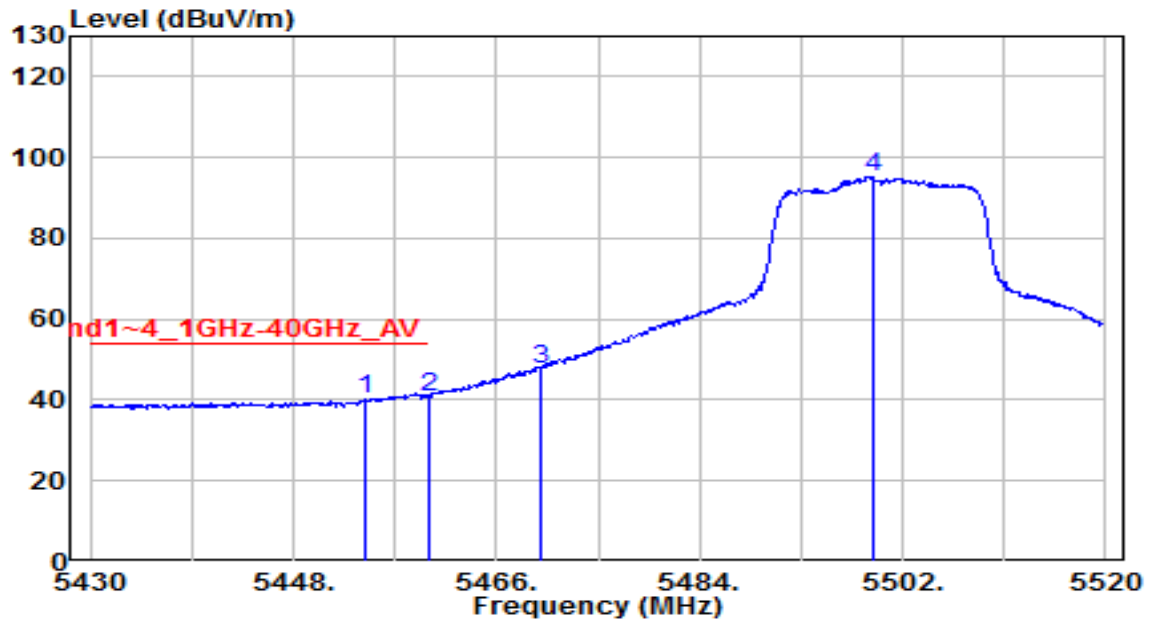


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5453.130	52.57	4.69	57.27	-16.73	74.00	165	345	Peak
2	5460.000	50.78	4.70	55.49	-12.71	68.20	165	345	Peak
3	* 5470.000	60.95	4.72	65.67	-2.53	68.20	165	345	Peak
4	5502.090	100.52	4.78	105.30	N/A	N/A	165	345	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band3_CH 100_ANT 0	Test Voltage	AC 110V/60Hz

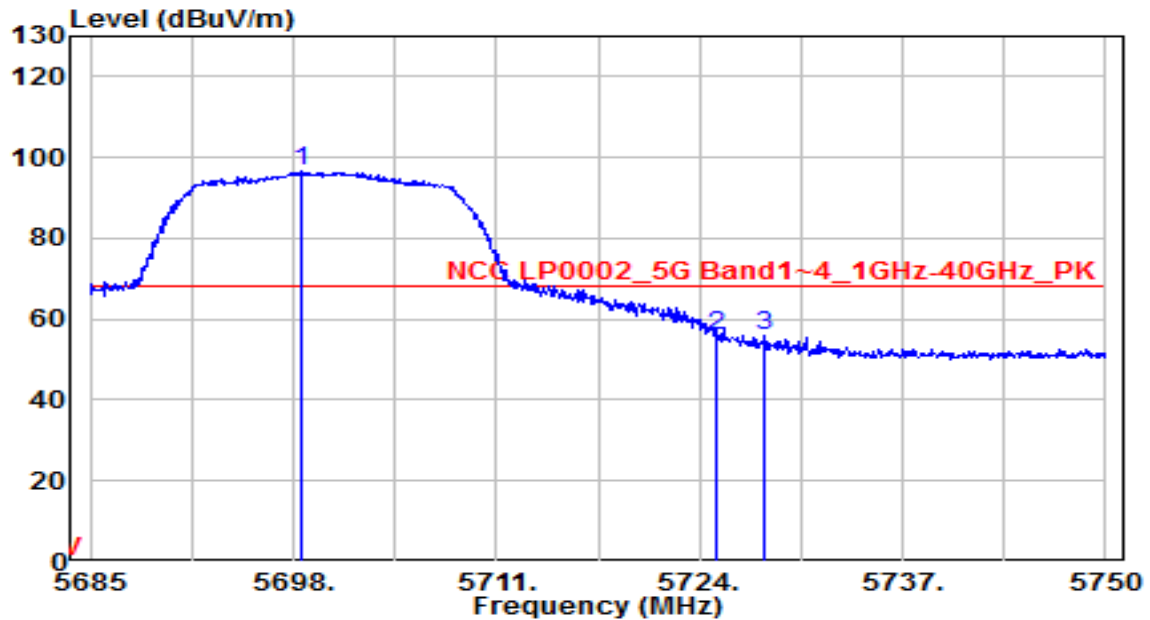


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5454.480	35.51	4.70	40.20	-13.80	54.00	165	345	Average
2	* 5460.000	36.22	4.70	40.92	-13.08	54.00	165	345	Average
3	5470.000	43.00	4.72	47.72	N/A	N/A	165	345	Average
4	5499.300	90.42	4.77	95.18	N/A	N/A	165	345	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band3_CH 140_ANT 0	Test Voltage	AC 110V/60Hz

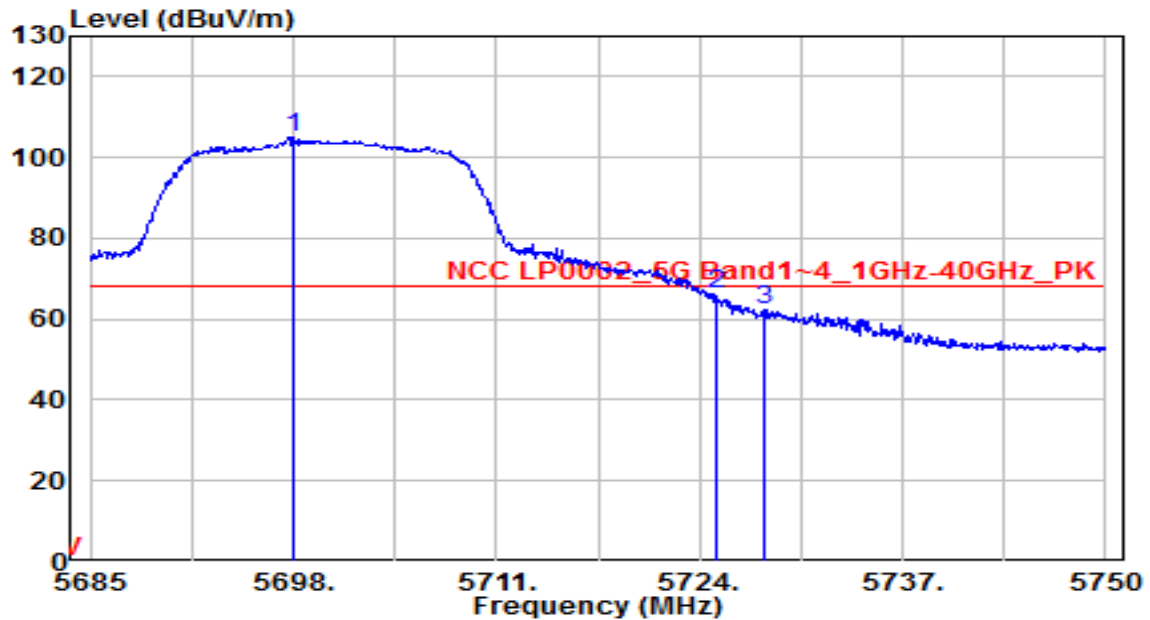


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5698.455	91.00	5.49	96.50	N/A	N/A	150	350	Peak
2	5725.000	50.11	5.59	55.70	-12.50	68.20	150	350	Peak
3	* 5728.225	50.41	5.60	56.01	-12.19	68.20	150	350	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band3_CH 140_ANT 0	Test Voltage	AC 110V/60Hz

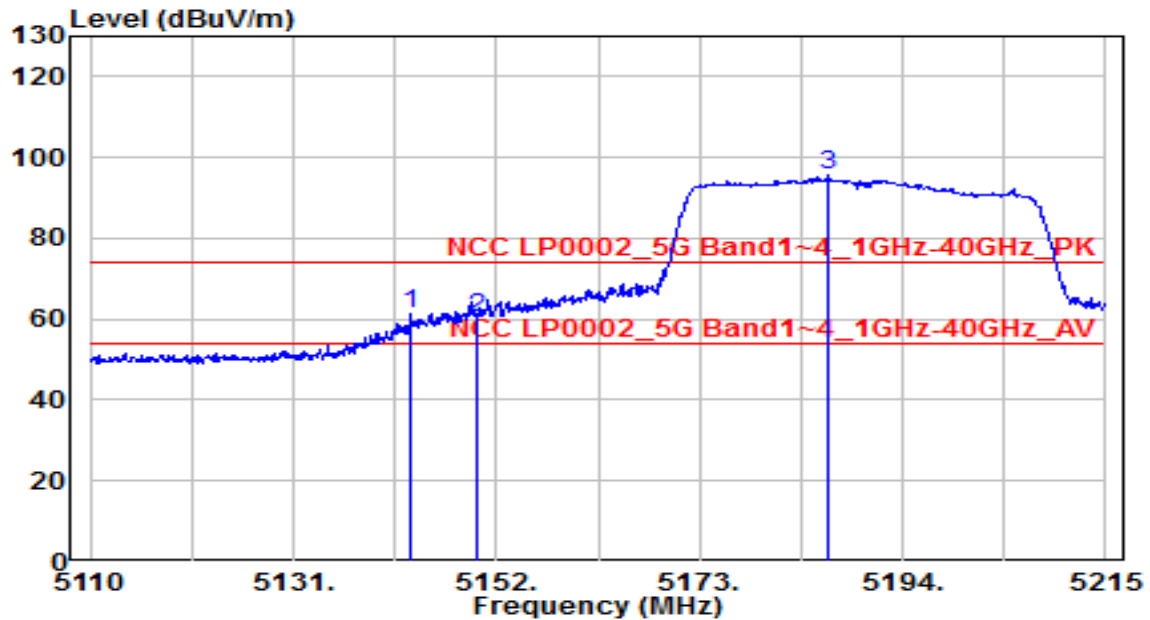


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5697.935	99.65	5.49	105.14	N/A	N/A	150	325	Peak
2	* 5725.000	60.72	5.59	66.31	-1.89	68.20	150	325	Peak
3	5728.095	56.74	5.60	62.34	-5.86	68.20	150	325	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C / 57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 110V/60Hz

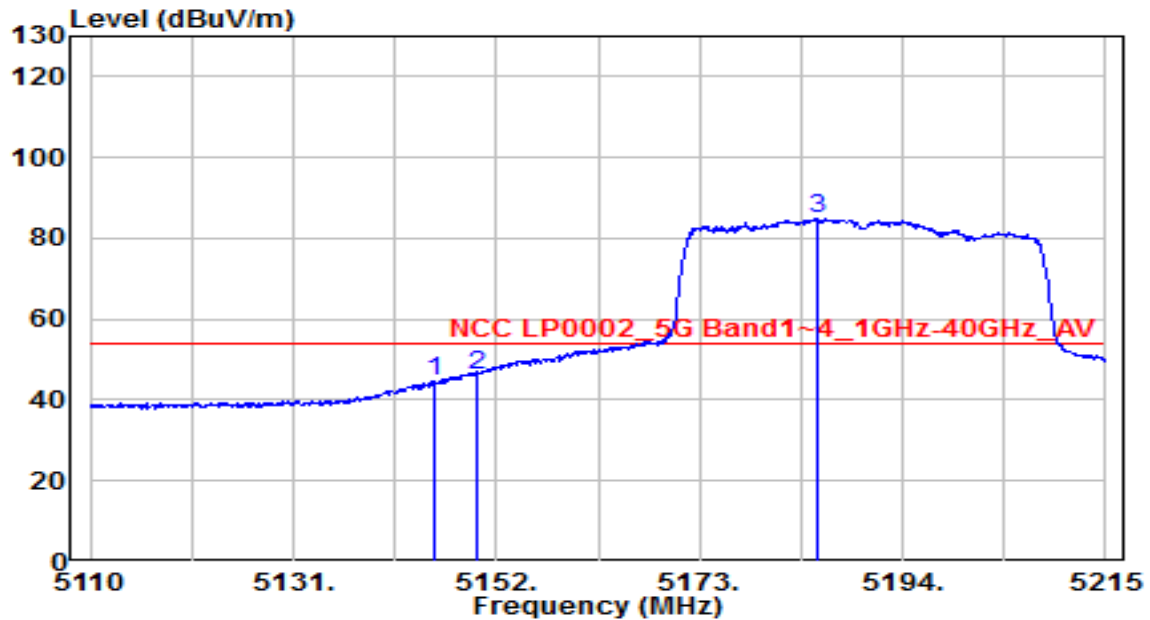


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5143.180	57.16	4.18	61.35	-12.65	74.00	150	315	Peak
2	5150.000	56.23	4.20	60.42	-13.58	74.00	150	315	Peak
3	5186.335	91.30	4.26	95.56	N/A	N/A	150	315	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 110V/60Hz

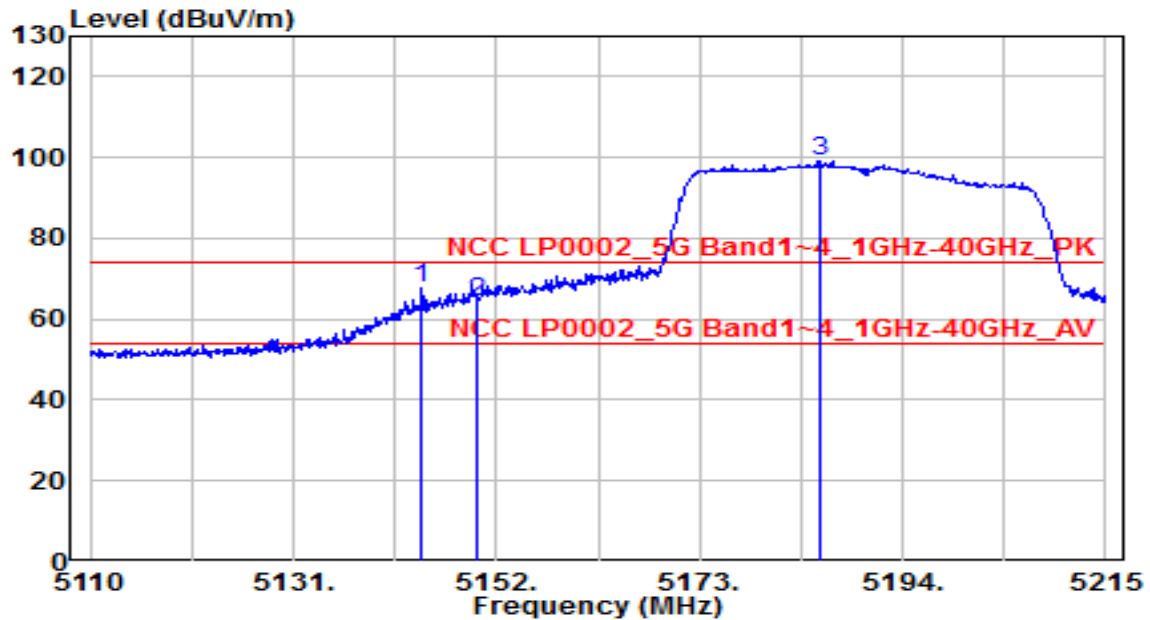


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5145.595	40.46	4.19	44.65	-9.35	54.00	150	315	Average
2	* 5150.000	41.94	4.20	46.13	-7.87	54.00	150	315	Average
3	5185.075	80.68	4.25	84.93	N/A	N/A	150	315	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C / 57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 110V/60Hz

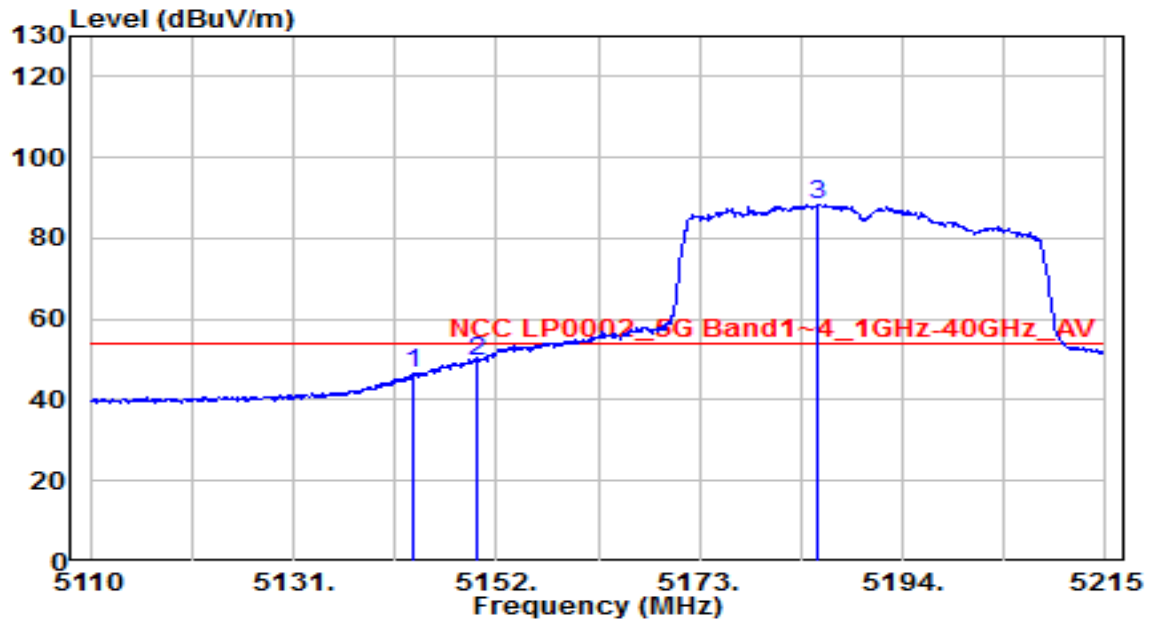


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5144.335	63.35	4.19	67.54	-6.46	74.00	245	25	Peak
2	5150.000	60.18	4.20	64.37	-9.63	74.00	245	25	Peak
3	5185.495	95.04	4.25	99.29	N/A	N/A	245	25	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 110V/60Hz

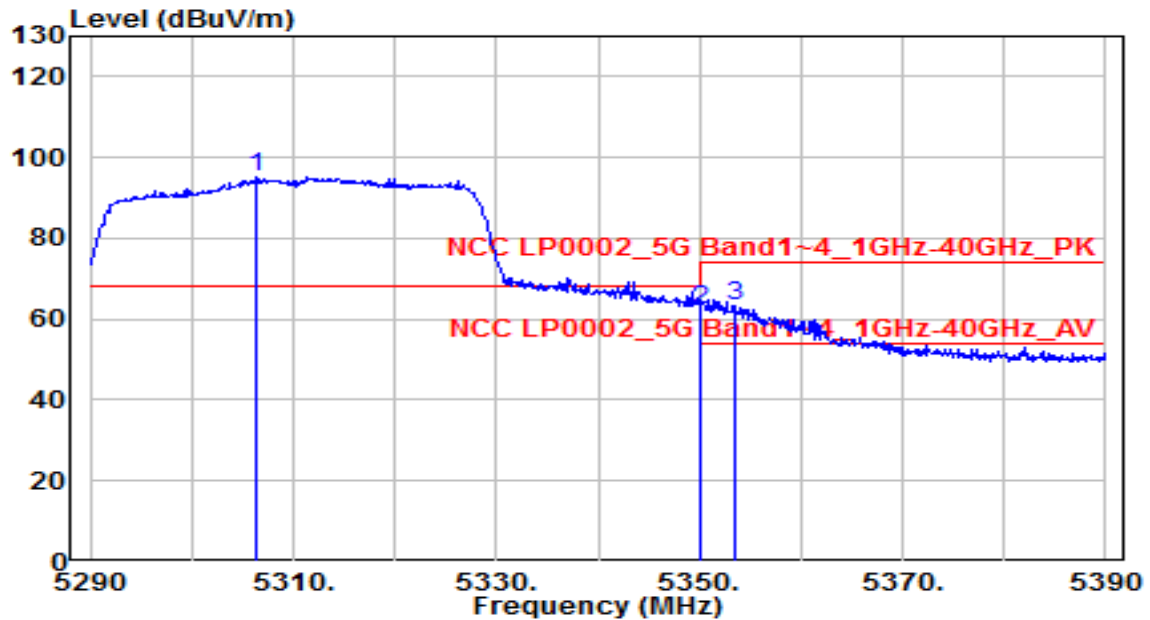


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5143.390	42.58	4.19	46.77	-7.23	54.00	245	25	Average
2	* 5150.000	45.57	4.20	49.77	-4.23	54.00	245	25	Average
3	5185.285	84.11	4.25	88.36	N/A	N/A	245	25	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band2_CH 62_ANT 0	Test Voltage	AC 110V/60Hz

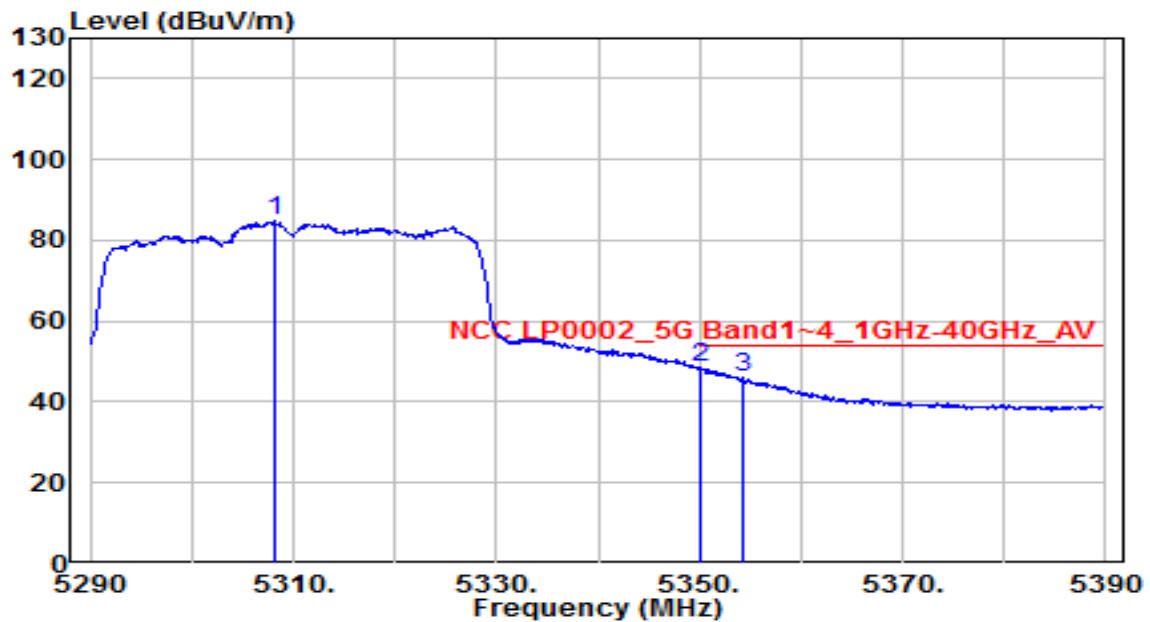


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5306.400	90.67	4.45	95.12	N/A	N/A	130	45	Peak
2	* 5350.000	58.00	4.52	62.53	-5.67	68.20	130	45	Peak
3	5353.400	58.80	4.53	63.33	-10.67	74.00	130	45	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band2_CH 62_ANT 0	Test Voltage	AC 110V/60Hz

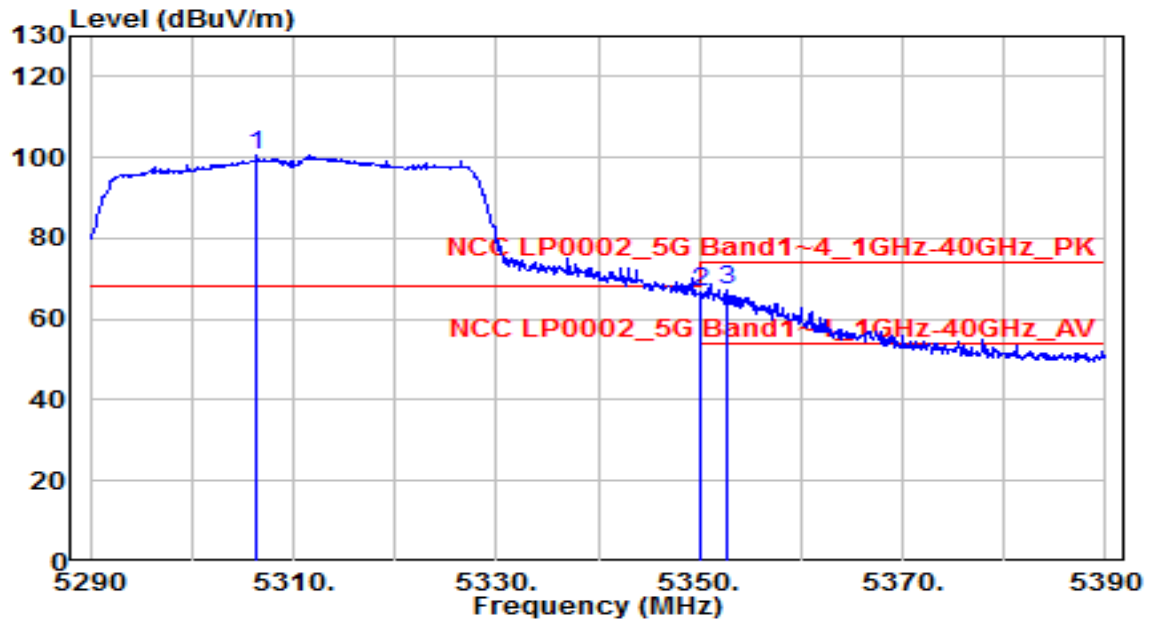


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5308.300	80.20	4.46	84.66	N/A	N/A	130	45	Average
2	* 5350.000	44.01	4.52	48.54	-5.46	54.00	130	45	Average
3	5354.400	41.57	4.53	46.10	-7.90	54.00	130	45	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band2_CH 62_ANT 0	Test Voltage	AC 110V/60Hz

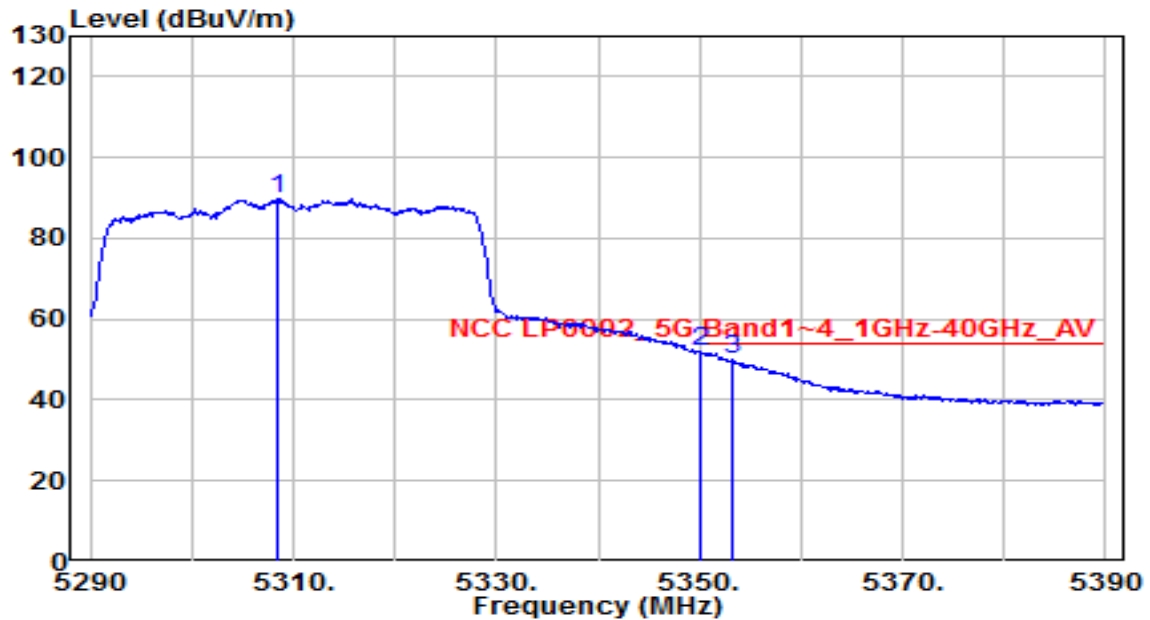


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5306.400	96.03	4.45	100.49	N/A	N/A	185	330	Peak
2	* 5350.000	62.08	4.52	66.60	-1.60	68.20	185	330	Peak
3	5352.800	62.64	4.53	67.17	-6.83	74.00	185	330	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band2_CH 62_ANT 0	Test Voltage	AC 110V/60Hz

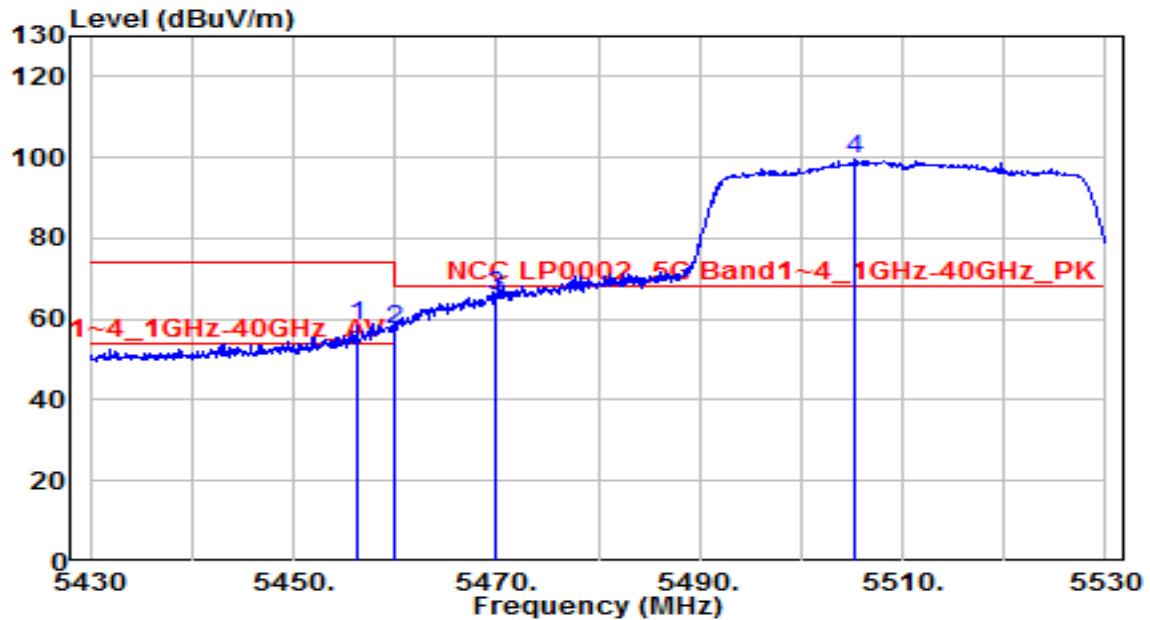


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5308.400	85.22	4.46	89.68	N/A	N/A	185	330	Average
2	* 5350.000	47.55	4.52	52.08	-1.92	54.00	185	330	Average
3	5353.300	45.48	4.53	50.01	-3.99	54.00	185	330	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band3_CH 102_ANT 0	Test Voltage	AC 110V/60Hz

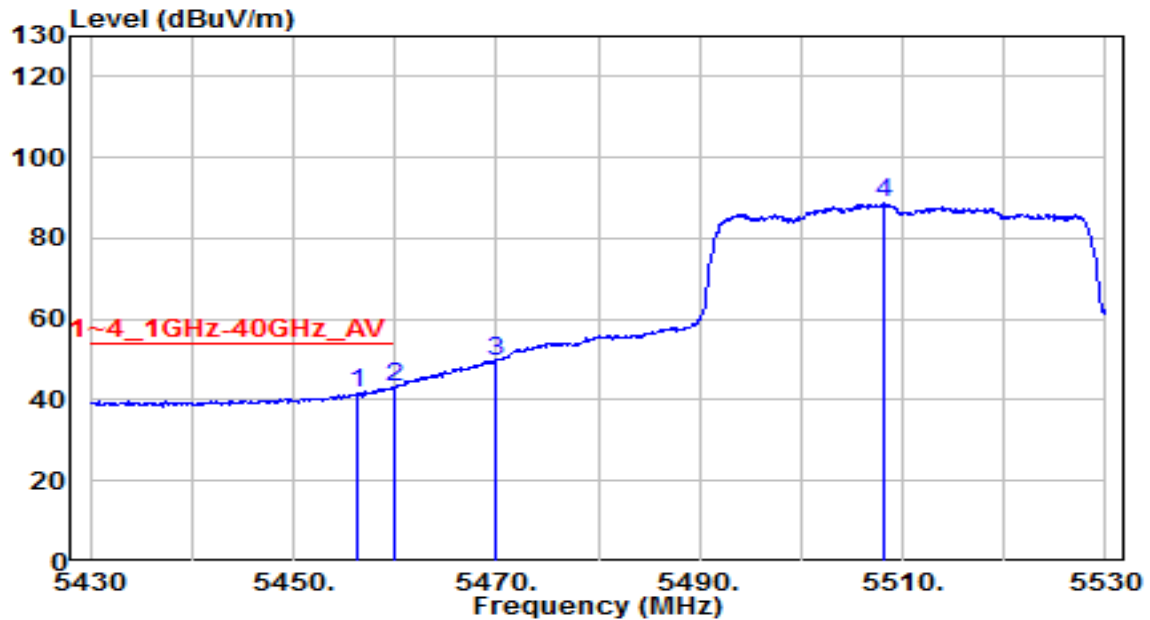


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5456.300	53.75	4.70	58.45	-15.55	74.00	195	10	Peak
2	5460.000	52.69	4.70	57.39	-10.81	68.20	195	10	Peak
3	* 5470.000	60.92	4.72	65.64	-2.56	68.20	195	10	Peak
4	5505.200	94.68	4.79	99.47	N/A	N/A	195	10	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band3_CH 102_ANT 0	Test Voltage	AC 110V/60Hz

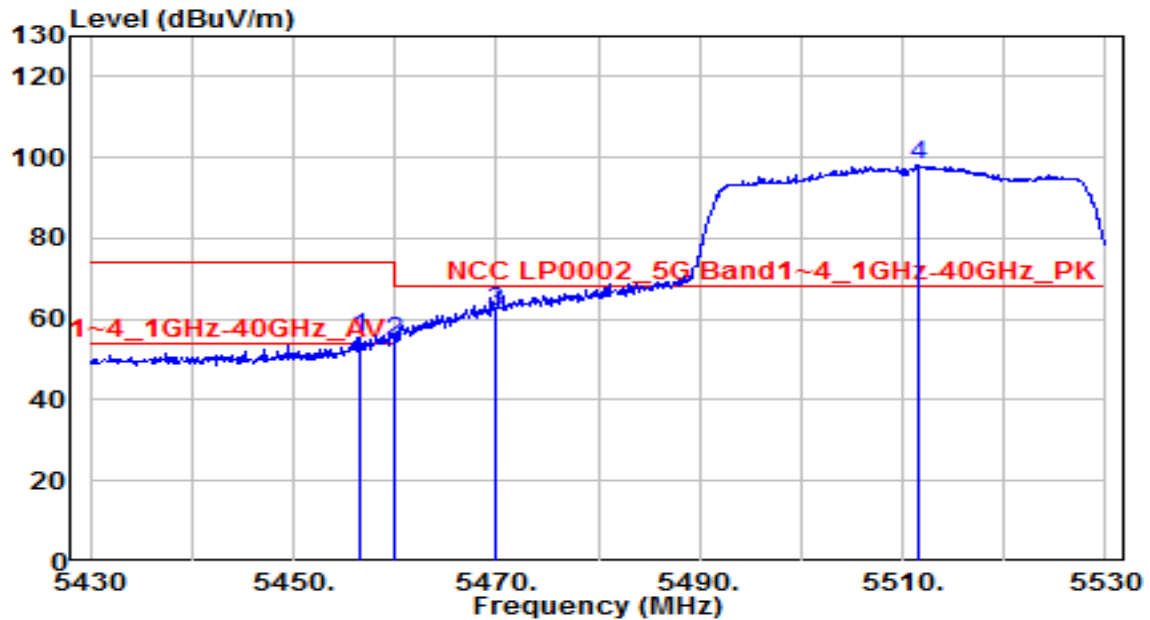


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5456.300	36.77	4.70	41.47	-12.53	54.00	195	10	Average
2	* 5460.000	38.26	4.70	42.97	-11.03	54.00	195	10	Average
3	5470.000	44.89	4.72	49.61	N/A	N/A	195	10	Average
4	5508.100	83.91	4.80	88.71	N/A	N/A	195	10	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band3_CH 102_ANT 0	Test Voltage	AC 110V/60Hz

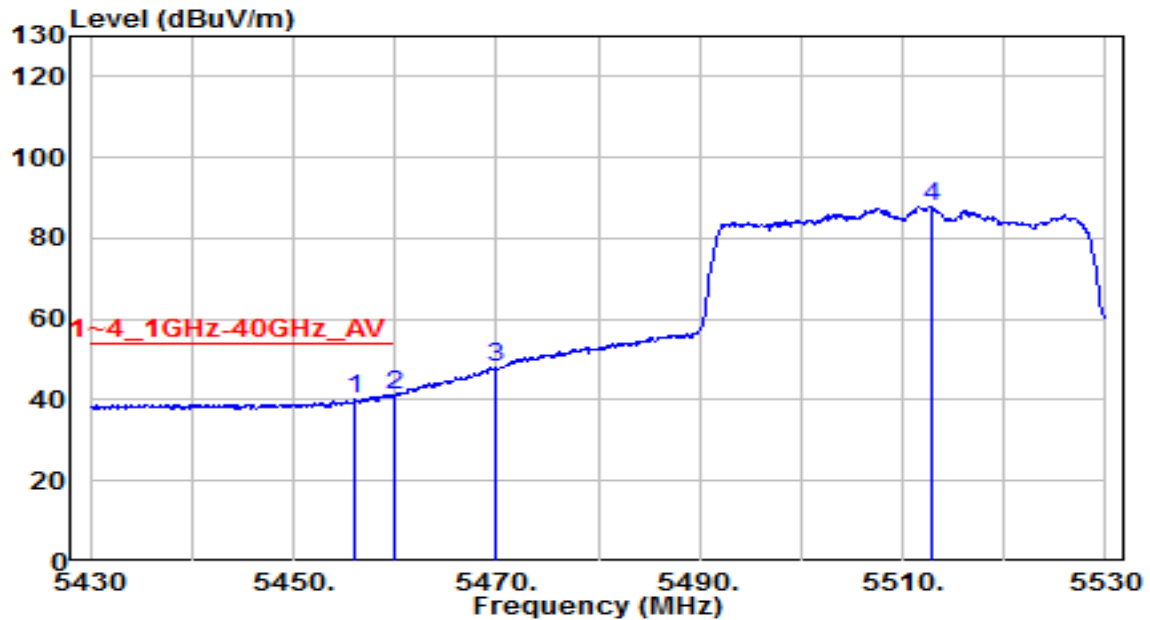


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5456.500	50.81	4.70	55.51	-18.49	74.00	165	345	Peak
2	5460.000	49.94	4.70	54.65	-13.55	68.20	165	345	Peak
3 *	5470.000	56.96	4.72	61.68	-6.52	68.20	165	345	Peak
4	5511.600	93.12	4.81	97.93	N/A	N/A	165	345	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band3_CH 102_ANT 0	Test Voltage	AC 110V/60Hz

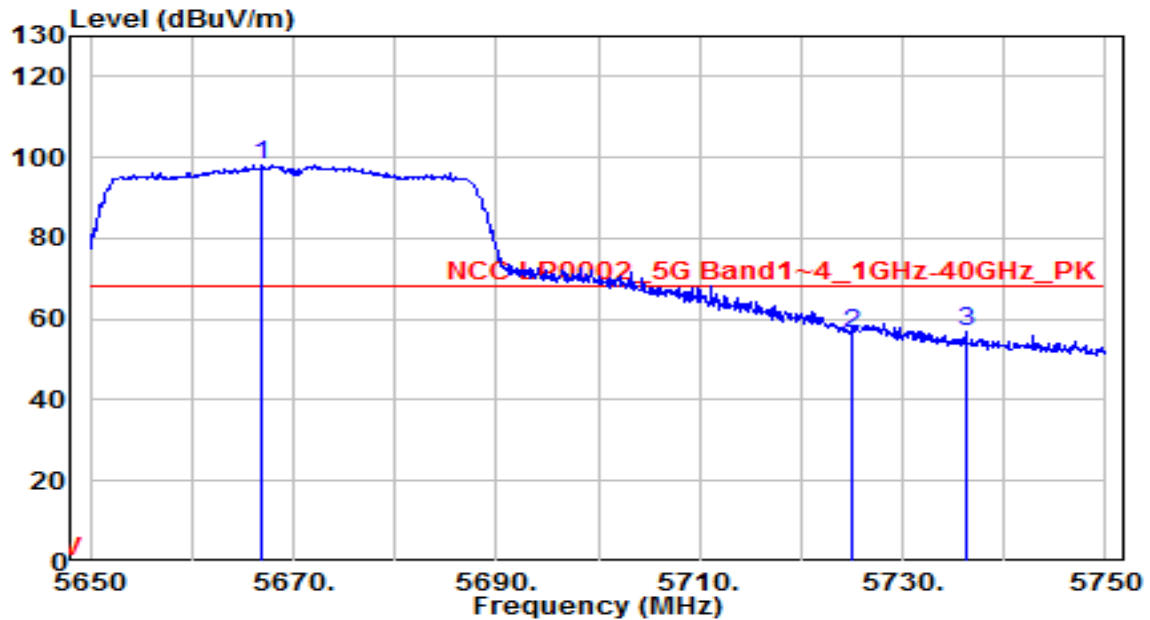


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5456.100	35.30	4.70	40.00	-14.00	54.00	165	345	Average
2	* 5460.000	36.57	4.70	41.28	-12.72	54.00	165	345	Average
3	5470.000	43.20	4.72	47.92	N/A	N/A	165	345	Average
4	5512.800	83.22	4.82	88.03	N/A	N/A	165	345	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band3_CH 134_ANT 0	Test Voltage	AC 110V/60Hz

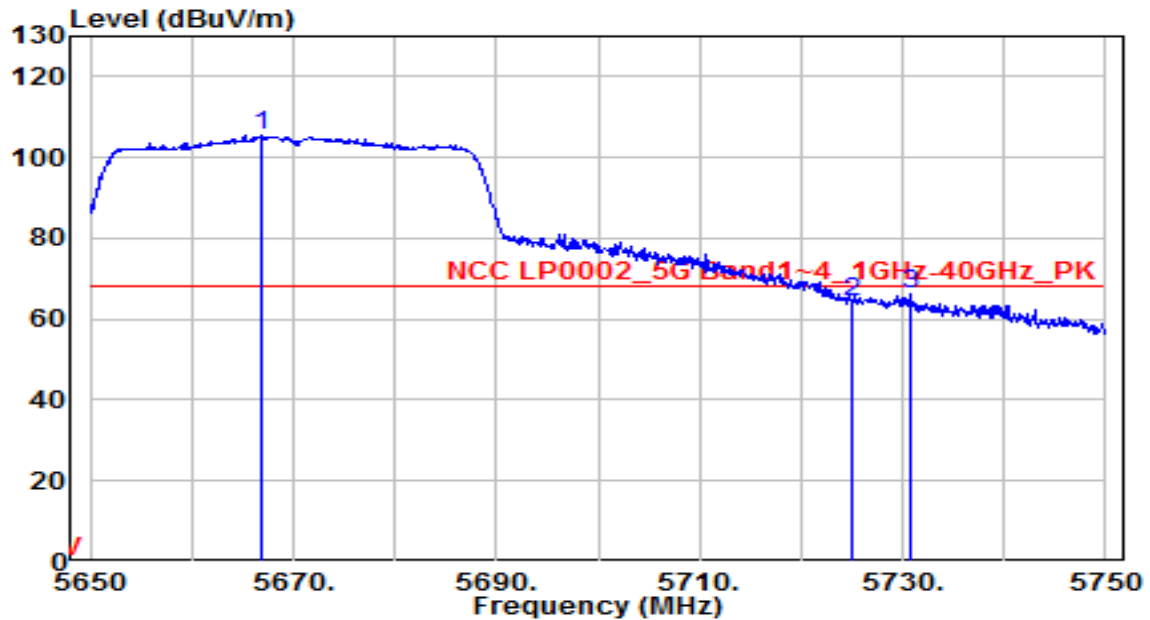


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5666.900	92.85	5.38	98.22	N/A	N/A	150	350	Peak
2	5725.000	50.87	5.59	56.46	-11.74	68.20	150	350	Peak
3	* 5736.200	51.03	5.63	56.66	-11.54	68.20	150	350	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band3_CH 134_ANT 0	Test Voltage	AC 110V/60Hz

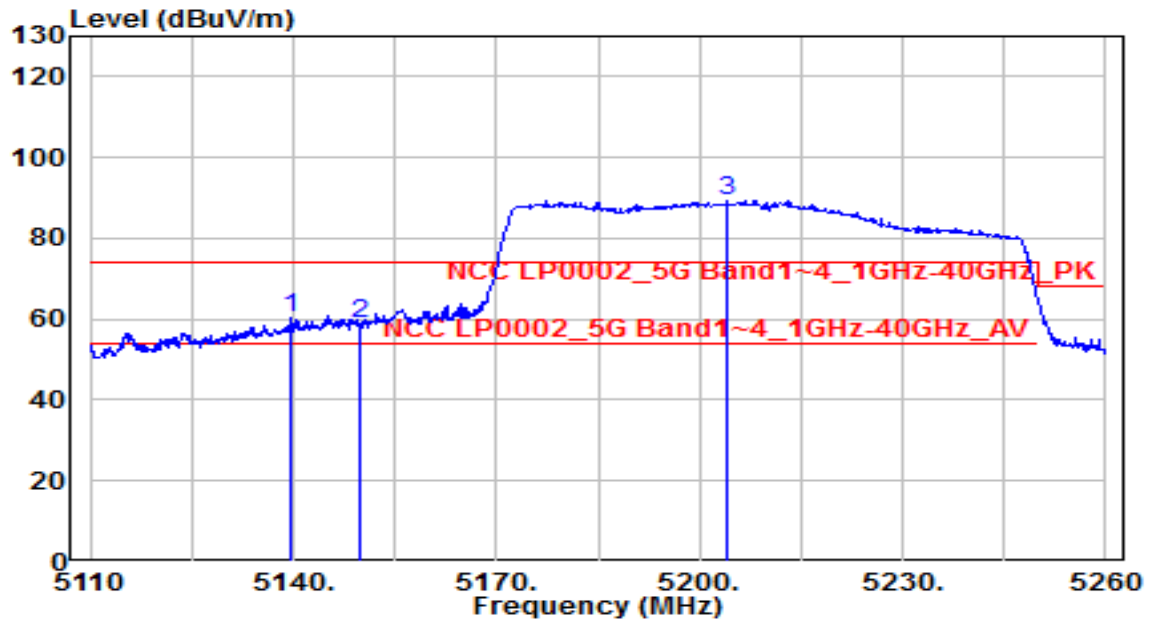


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5666.800	100.03	5.38	105.41	N/A	N/A	150	325	Peak
2	5725.000	58.43	5.59	64.02	-4.18	68.20	150	325	Peak
3	* 5730.700	60.46	5.61	66.07	-2.13	68.20	150	325	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 110V/60Hz

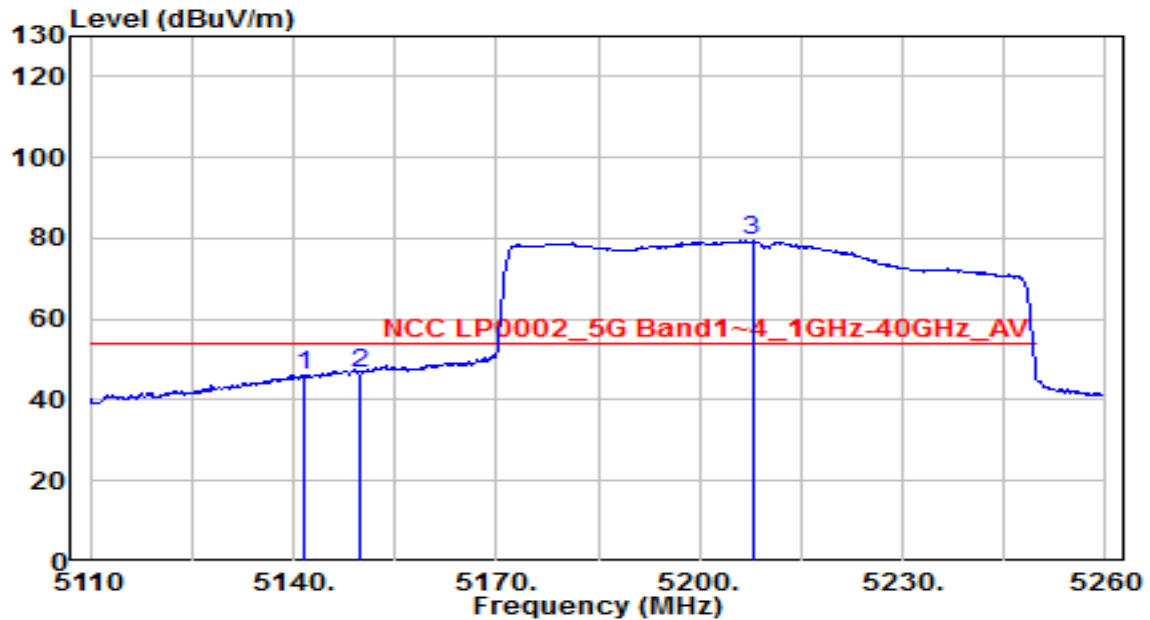


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5139.550	56.08	4.18	60.26	-13.74	74.00	150	315	Peak
2	5150.000	54.74	4.20	58.93	-15.07	74.00	150	315	Peak
3	5204.200	84.95	4.28	89.24	N/A	N/A	150	315	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C / 57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 110V/60Hz

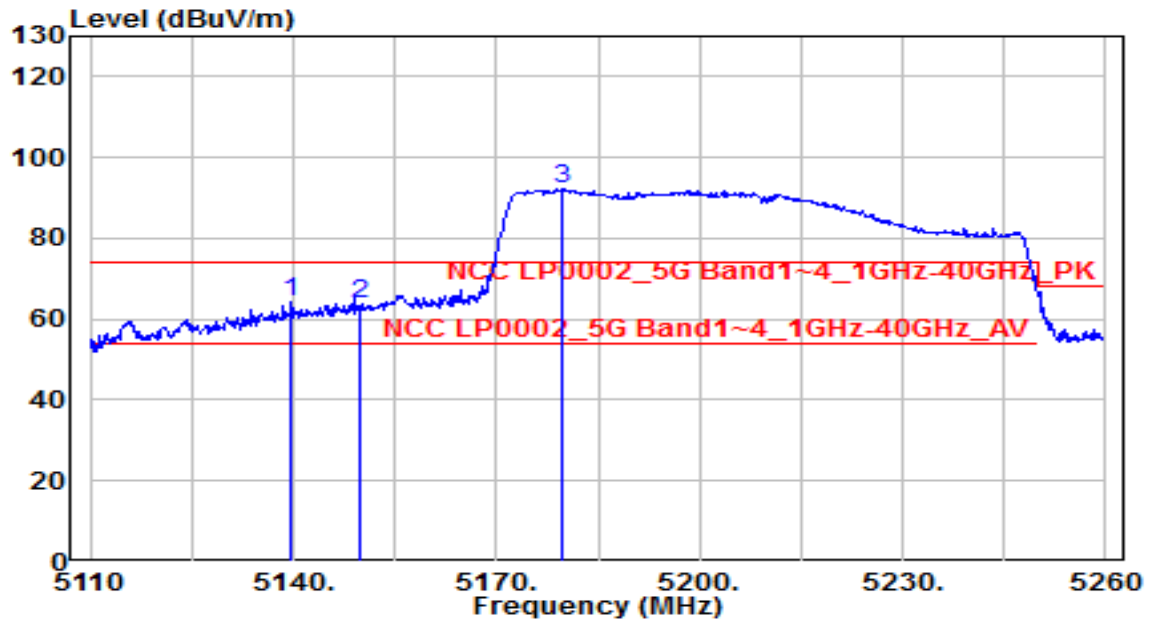


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5141.650	41.97	4.18	46.15	-7.85	54.00	150	315	Average
2	* 5150.000	42.45	4.20	46.65	-7.35	54.00	150	315	Average
3	5207.800	75.02	4.29	79.31	N/A	N/A	150	315	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 110V/60Hz

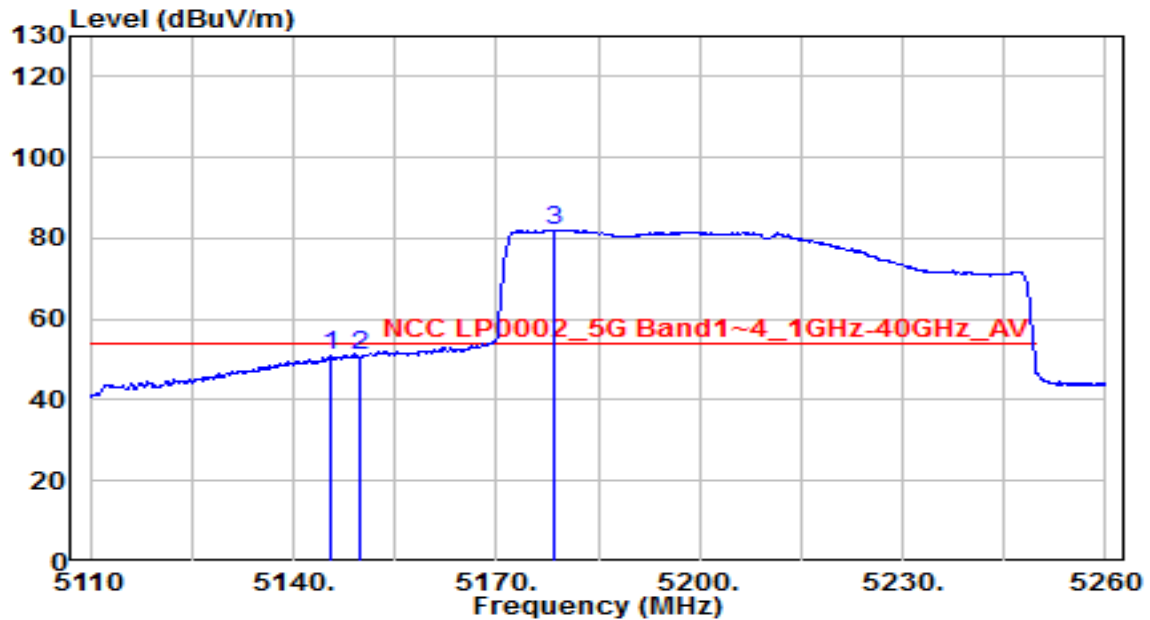


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5139.700	59.96	4.18	64.14	-9.86	74.00	245	25	Peak
2	5150.000	59.46	4.20	63.66	-10.34	74.00	245	25	Peak
3	5179.600	88.21	4.24	92.46	N/A	N/A	245	25	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 110V/60Hz

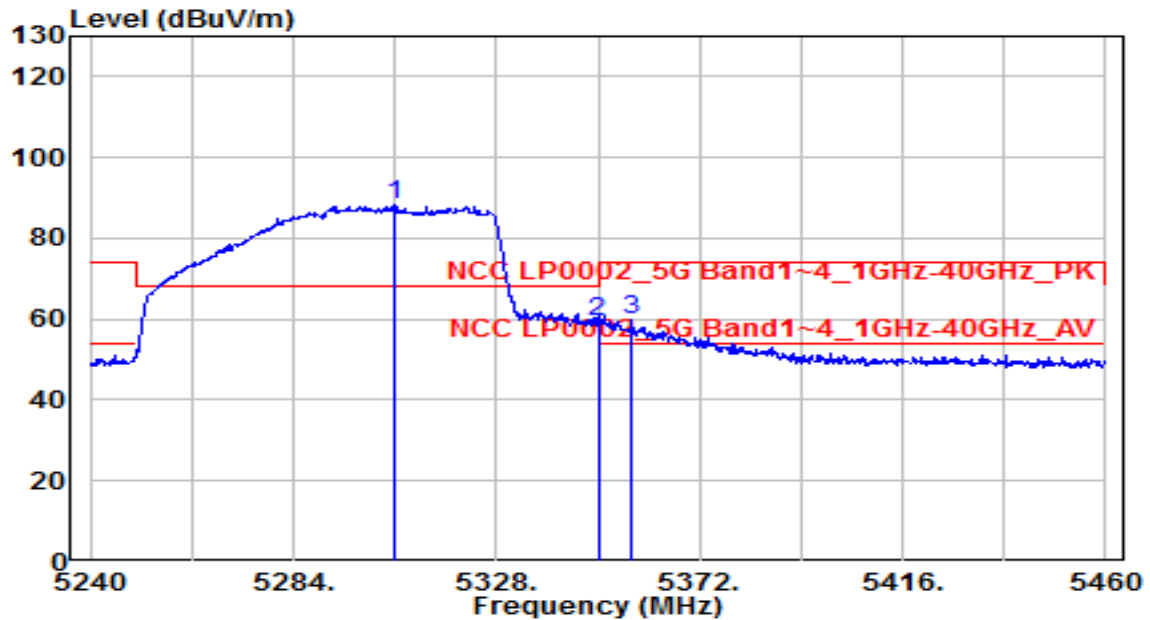


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5145.400	46.67	4.19	50.86	-3.14	54.00	245	25	Average
2	5150.000	46.85	4.20	51.05	-2.95	54.00	245	25	Average
3	5178.550	77.92	4.24	82.16	N/A	N/A	245	25	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band2_CH 58_ANT 0	Test Voltage	AC 110V/60Hz

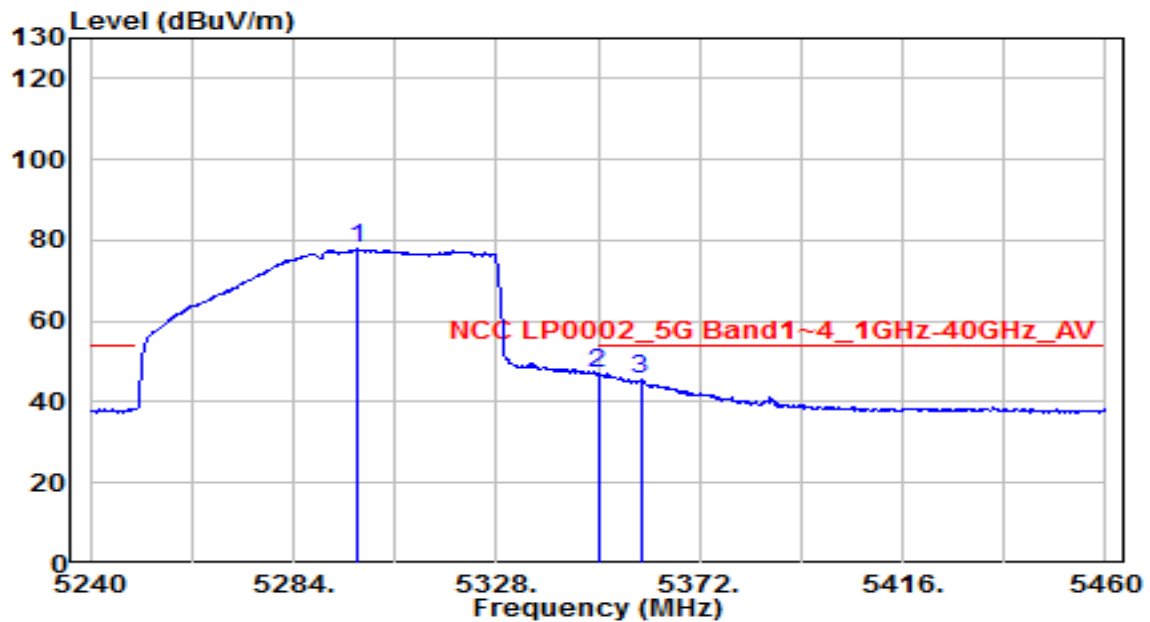


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5306.000	83.80	4.45	88.25	N/A	N/A	130	45	Peak
2	* 5350.000	54.63	4.52	59.15	-9.05	68.20	130	45	Peak
3	5357.480	55.30	4.54	59.83	-14.17	74.00	130	45	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band2_CH 58_ANT 0	Test Voltage	AC 110V/60Hz

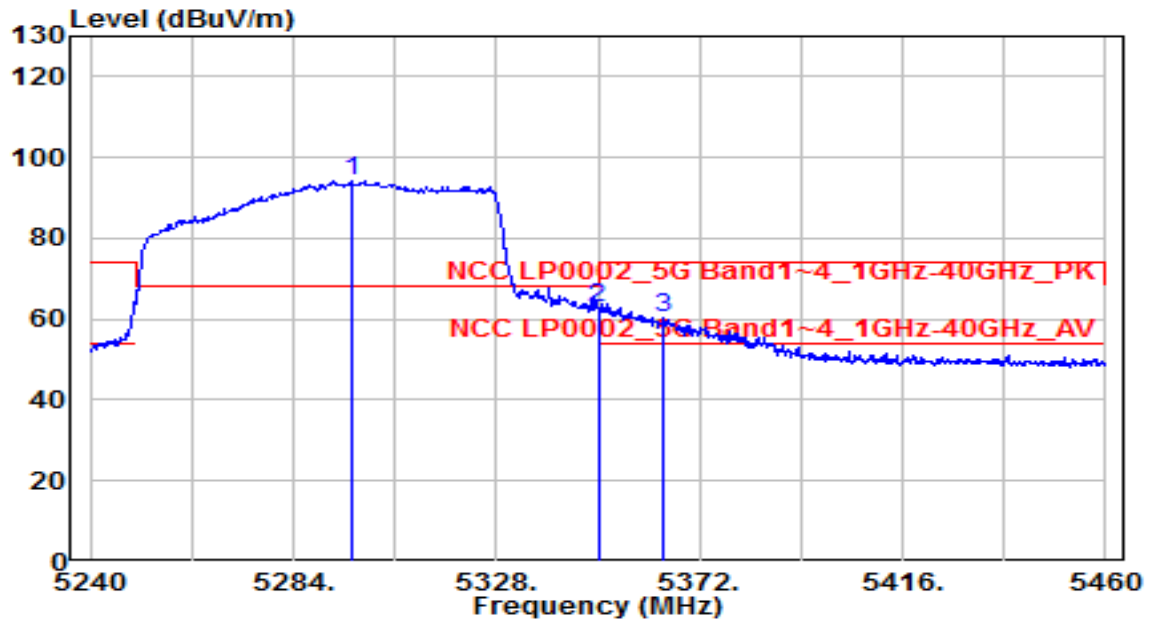


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5297.860	73.35	4.44	77.79	N/A	N/A	130	45	Average
2	* 5350.000	42.51	4.52	47.04	-6.96	54.00	130	45	Average
3	5359.240	40.87	4.54	45.41	-8.59	54.00	130	45	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band2_CH 58_ANT 0	Test Voltage	AC 110V/60Hz

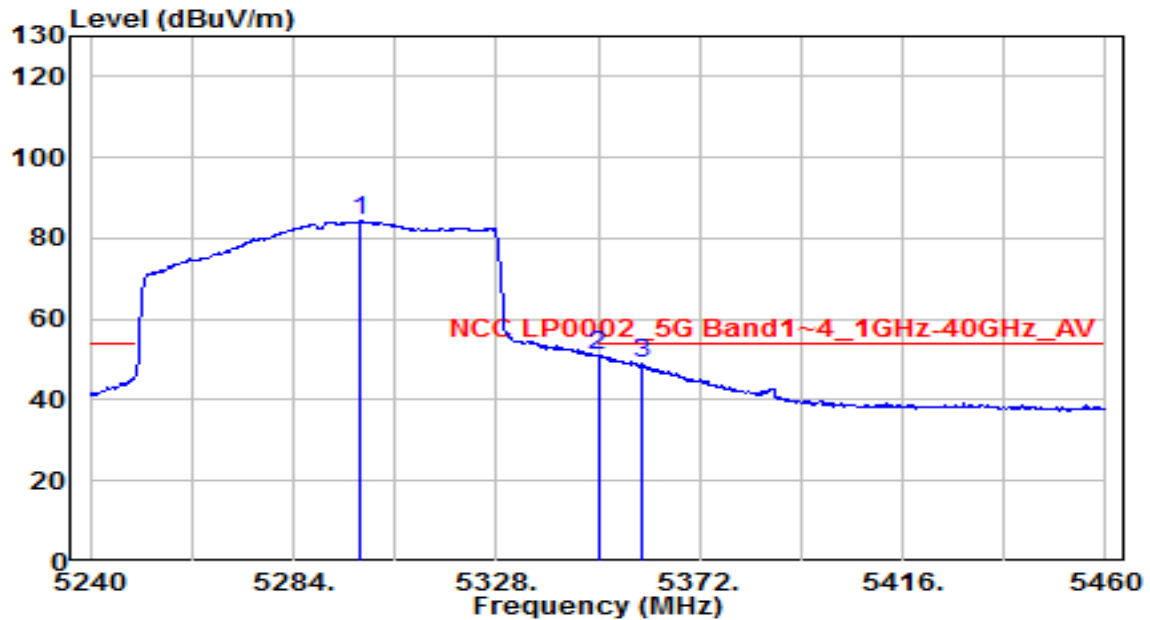


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5296.540	89.96	4.44	94.39	N/A	N/A	185	330	Peak
2	* 5350.000	58.28	4.52	62.80	-5.40	68.20	185	330	Peak
3	5364.300	55.90	4.55	60.45	-13.55	74.00	185	330	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band2_CH 58_ANT 0	Test Voltage	AC 110V/60Hz

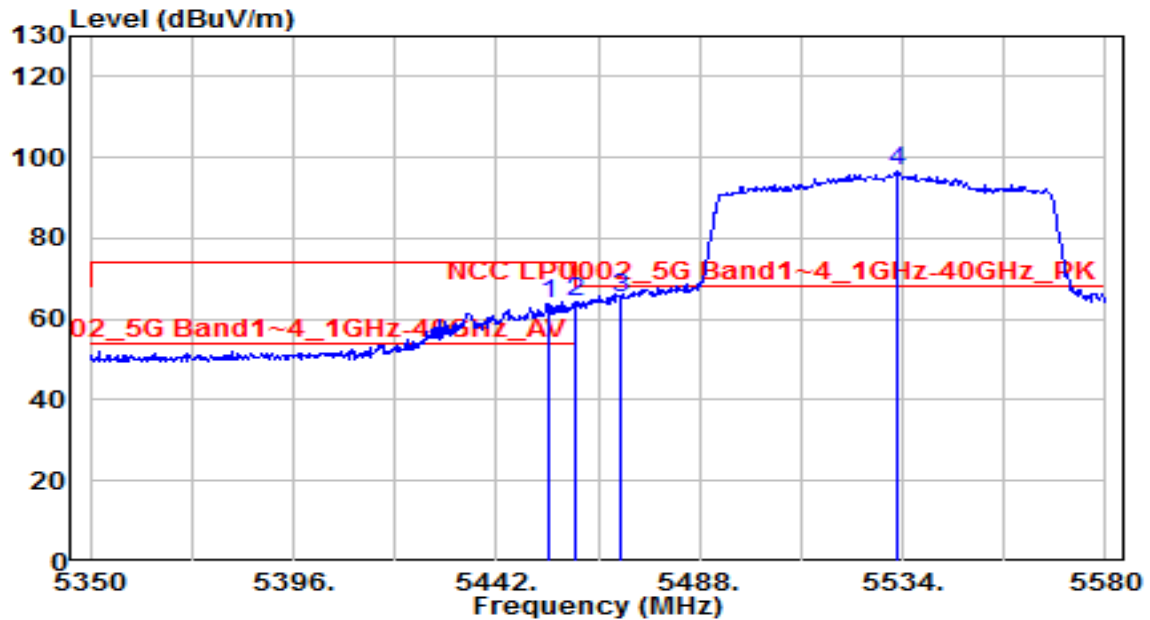


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5298.520	79.96	4.44	84.40	N/A	N/A	185	330	Average
2	* 5350.000	46.26	4.52	50.78	-3.22	54.00	185	330	Average
3	5359.460	44.37	4.54	48.91	-5.09	54.00	185	330	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band3_CH 106_ANT 0	Test Voltage	AC 110V/60Hz

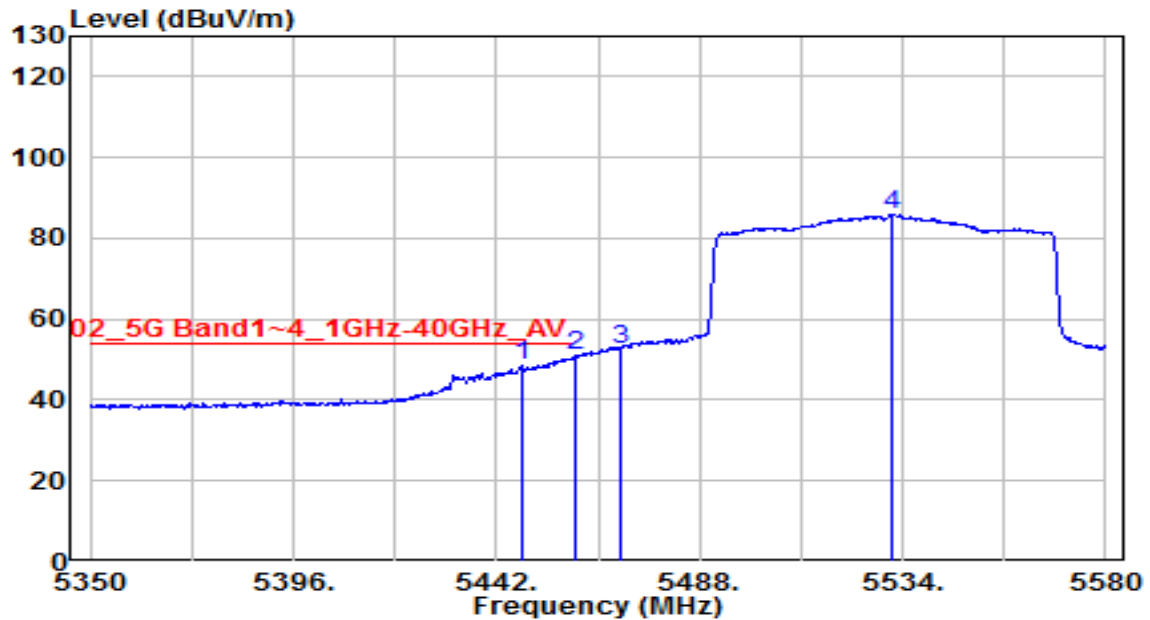


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5453.730	59.02	4.69	63.72	-10.28	74.00	195	10	Peak
2	5460.000	59.34	4.70	64.05	-4.15	68.20	195	10	Peak
3	* 5470.000	60.51	4.72	65.24	-2.96	68.20	195	10	Peak
4	5532.620	91.67	4.89	96.56	N/A	N/A	195	10	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band3_CH 106_ANT 0	Test Voltage	AC 110V/60Hz

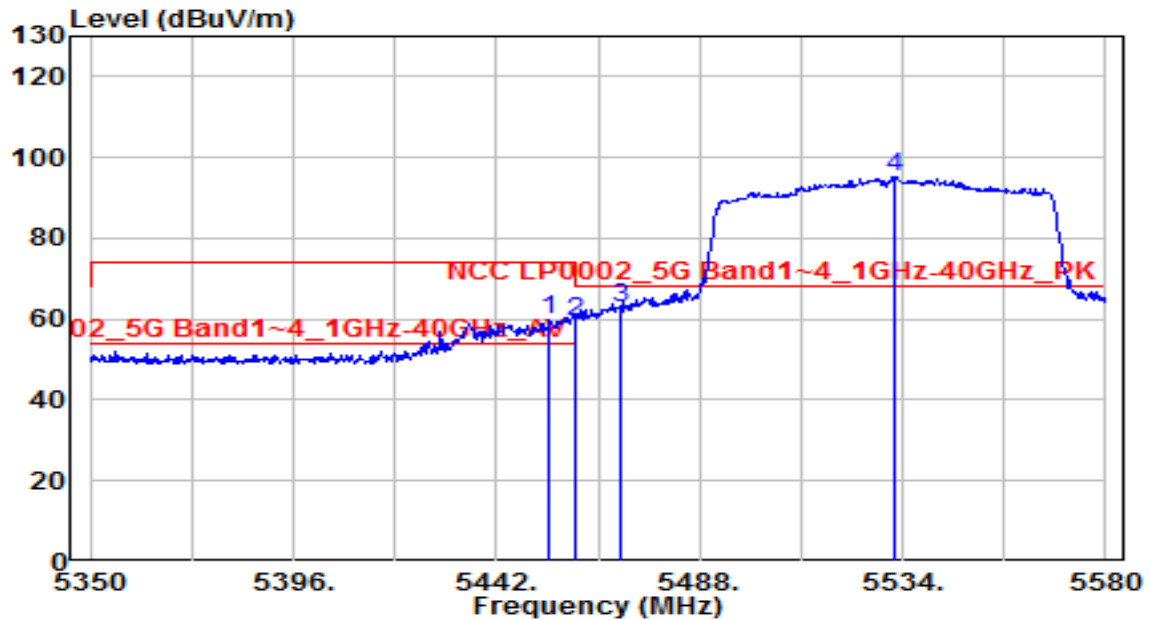


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5447.750	43.76	4.68	48.45	-5.55	54.00	195	10	Average
2	* 5460.000	46.07	4.70	50.78	-3.22	54.00	195	10	Average
3	5470.000	47.93	4.72	52.65	N/A	N/A	195	10	Average
4	5531.700	80.98	4.89	85.87	N/A	N/A	195	10	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band3_CH 106_ANT 0	Test Voltage	AC 110V/60Hz

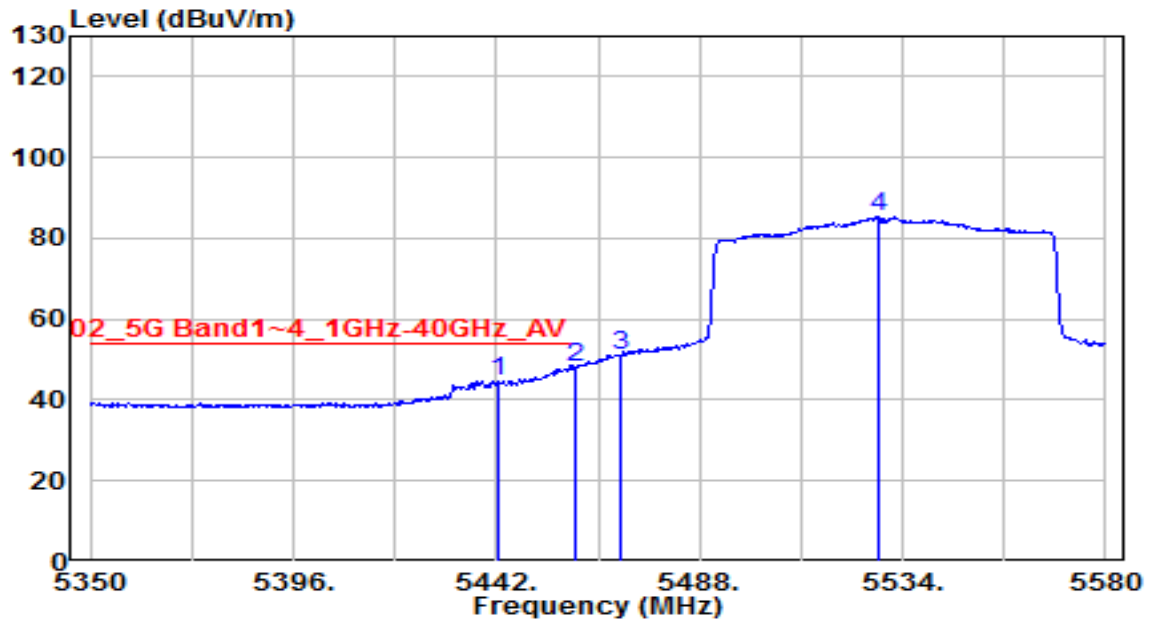


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5453.960	55.24	4.69	59.93	-14.07	74.00	165	345	Peak
2	5460.000	54.81	4.70	59.52	-8.68	68.20	165	345	Peak
3 *	5470.000	58.05	4.72	62.77	-5.43	68.20	165	345	Peak
4	5531.930	90.29	4.89	95.18	N/A	N/A	165	345	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ARTIS 觸控螢幕	Date of Test	2021-08-24
Factor	BBHA 9120D	Temp. / Humidity	22°C /57%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band3_CH 106_ANT 0	Test Voltage	AC 110V/60Hz



No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5442.460	40.08	4.68	44.76	-9.24	54.00	165	345	Average
2	* 5460.000	43.49	4.70	48.19	-5.81	54.00	165	345	Average
3	5470.000	46.45	4.72	51.17	N/A	N/A	165	345	Average
4	5528.710	80.41	4.87	85.28	N/A	N/A	165	345	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

5.6 占用頻寬

5.6.1 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀RF輸入端，頻譜分析儀之設定，參考如下：

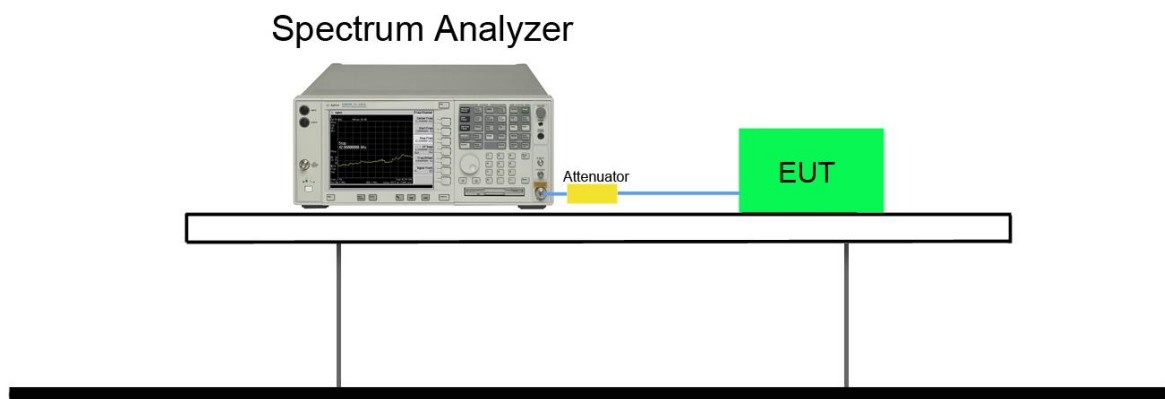
- (1) Set RBW = 100 kHz
- (2) VBW $\geq 3 \times$ RBW
- (3) Detector = Peak
- (4) Trace mode = max hold
- (5) Sweep = auto couple

5.6.2 限制要求

26dB頻寬至少應有500kHz。

6dB頻寬至少應有500kHz。

5.6.3 測試架構圖

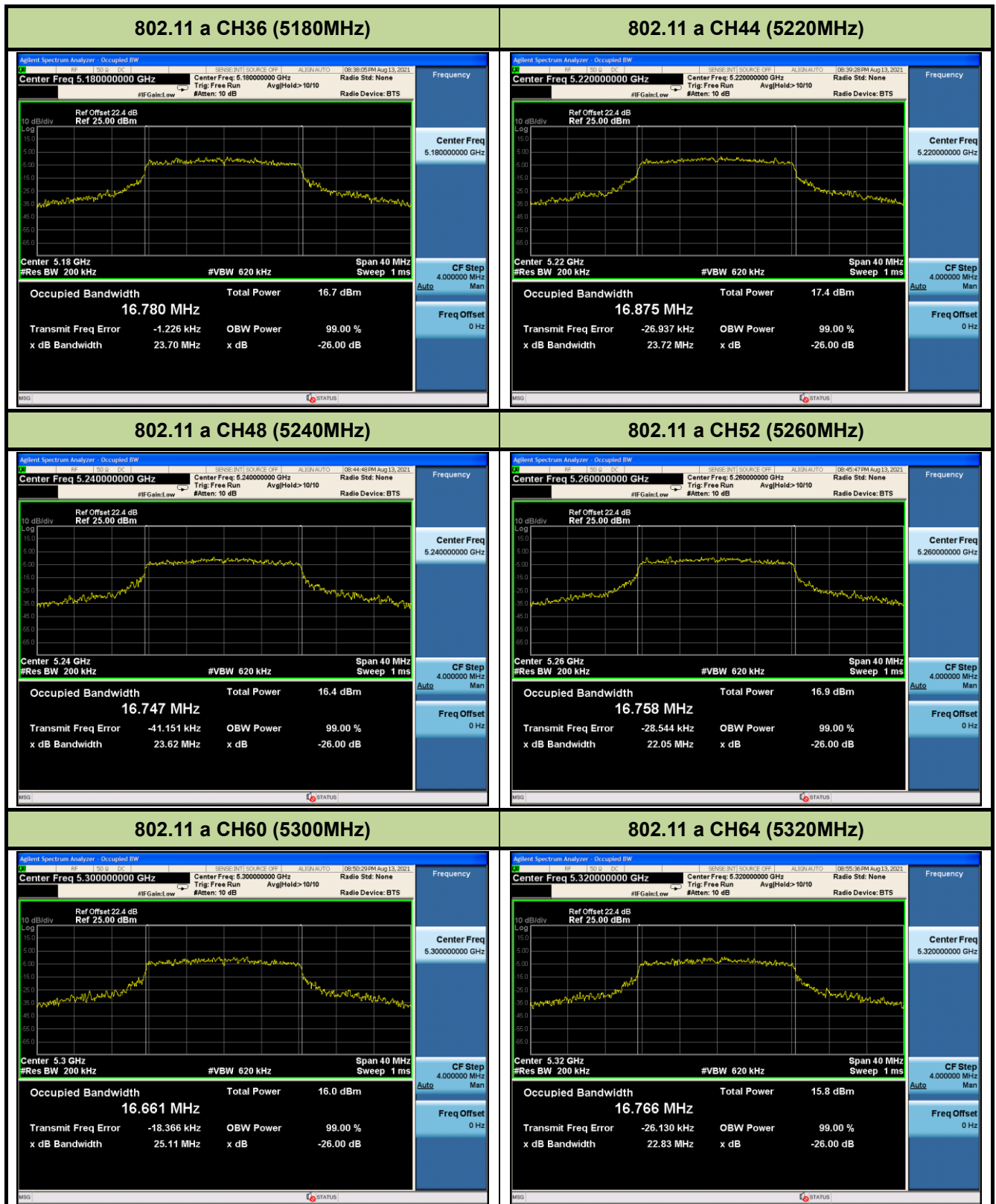


5.6.4 占用頻寬測試結果

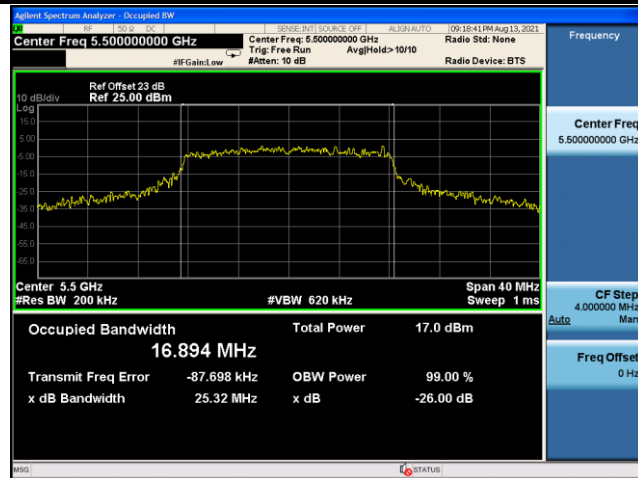
26dB 頻寬:

Test Mode	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
TX- 802.11a_Band1	36	5180	23.700	≥ 0.5	Pass
	44	5220	23.720	≥ 0.5	Pass
	48	5240	23.620	≥ 0.5	Pass
TX- 802.11a_Band2	52	5260	22.050	≥ 0.5	Pass
	60	5300	25.110	≥ 0.5	Pass
	64	5320	22.830	≥ 0.5	Pass
TX- 802.11a_Band3	100	5500	25.320	≥ 0.5	Pass
	120	5600	23.480	≥ 0.5	Pass
	140	5700	22.540	≥ 0.5	Pass
TX- 802.11n-HT20_Band1	36	5180	22.780	≥ 0.5	Pass
	44	5220	22.510	≥ 0.5	Pass
	48	5240	24.690	≥ 0.5	Pass
TX- 802.11n-HT20_Band2	52	5260	24.310	≥ 0.5	Pass
	60	5300	23.490	≥ 0.5	Pass
	64	5320	22.670	≥ 0.5	Pass
TX- 802.11n-HT20_Band3	100	5500	25.530	≥ 0.5	Pass
	120	5600	26.740	≥ 0.5	Pass
	140	5700	21.630	≥ 0.5	Pass

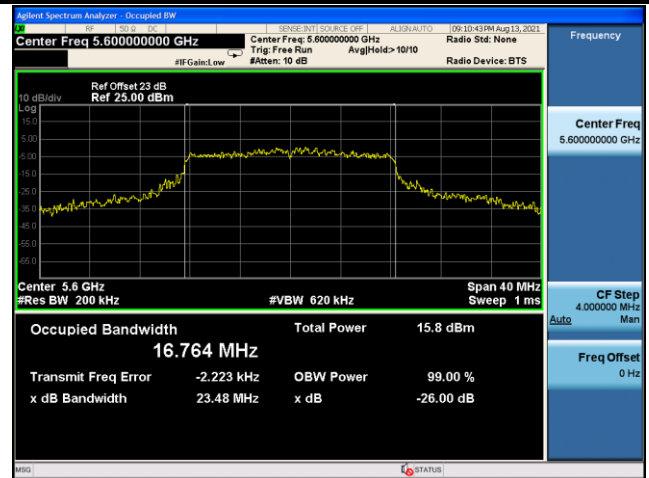
Test Mode	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
TX- 802.11n-HT40_Band1	38	5190	39.760	≥ 0.5	Pass
	46	5230	39.810	≥ 0.5	Pass
TX- 802.11n-HT40_Band2	54	5270	42.110	≥ 0.5	Pass
	62	5310	40.820	≥ 0.5	Pass
TX- 802.11n-HT40_Band3	102	5510	43.380	≥ 0.5	Pass
	110	5550	40.180	≥ 0.5	Pass
	134	5670	39.340	≥ 0.5	Pass
	142	5710	40.910	≥ 0.5	Pass
TX- 802.11ac-VHT80_Band1	42	5210	81.640	≥ 0.5	Pass
TX- 802.11ac-VHT80_Band2	58	5290	83.790	≥ 0.5	Pass
TX- 802.11ac-VHT80_Band3	106	5530	81.830	≥ 0.5	Pass
	122	5610	84.380	≥ 0.5	Pass
	138	5690	84.130	≥ 0.5	Pass



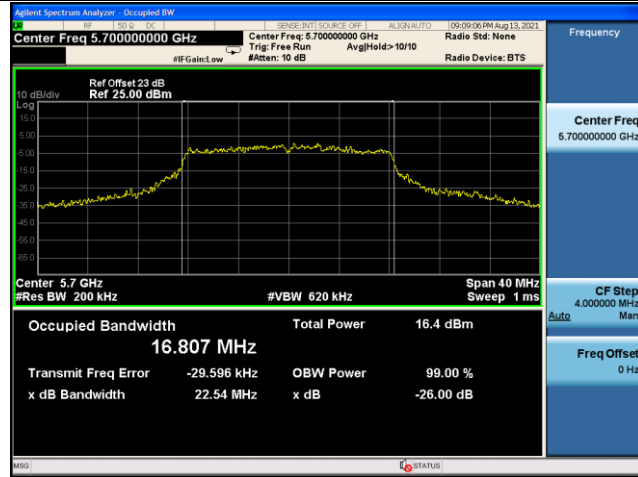
802.11 a CH100 (5500MHz)



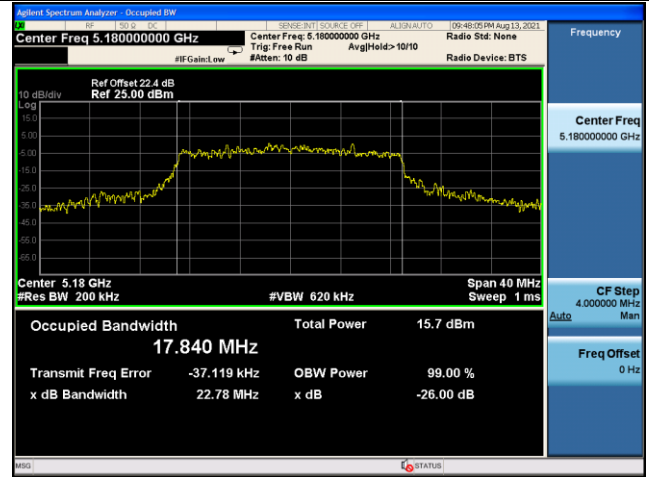
802.11 a CH120 (5600MHz)



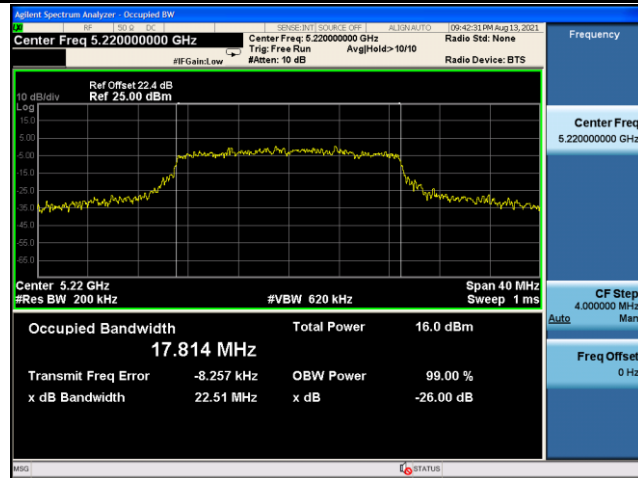
802.11 a CH140 (5700MHz)



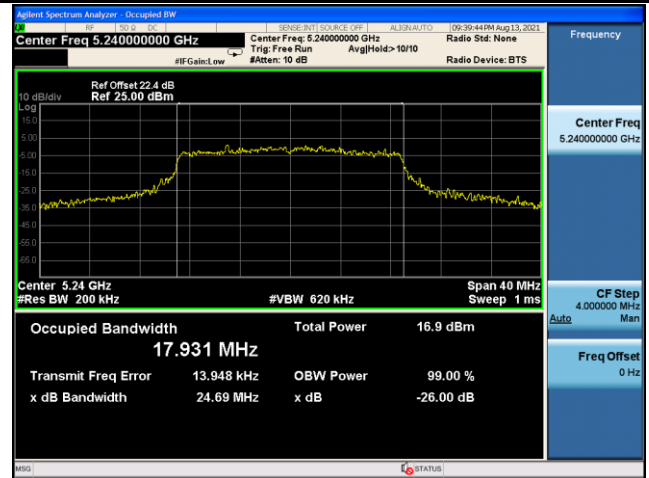
802.11 n-HT20 CH36 (5180MHz)



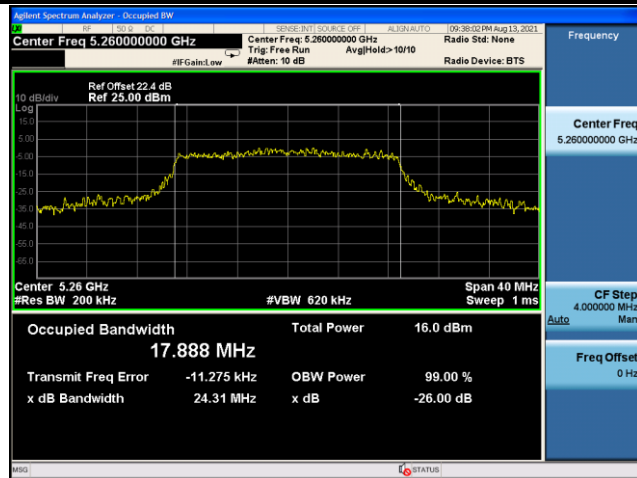
802.11 n-HT20 CH44 (5220MHz)



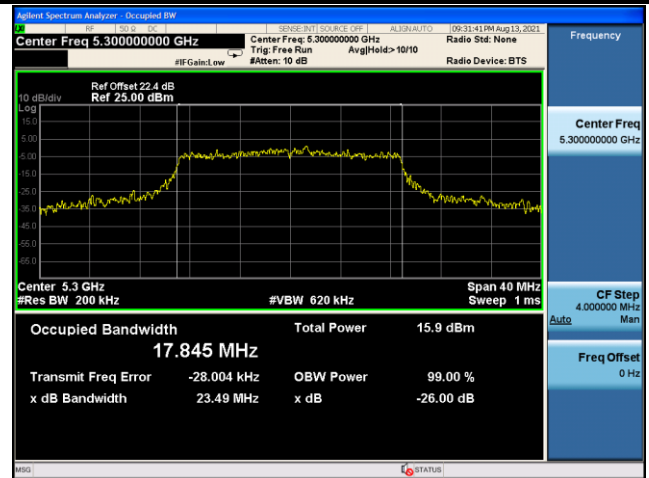
802.11 n-HT20 CH48 (5240MHz)



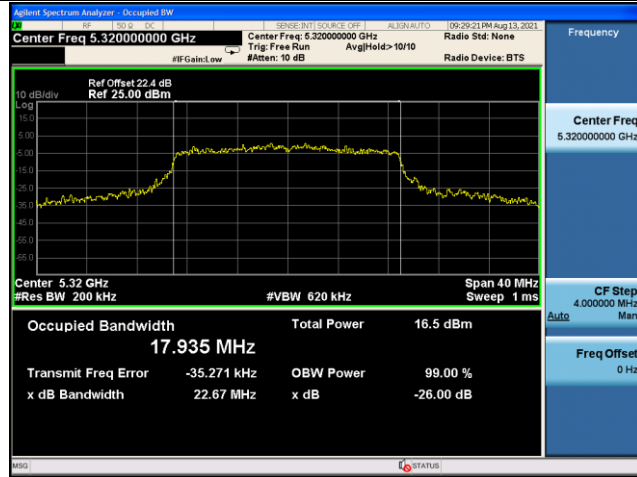
802.11 n-HT20 CH52 (5260MHz)



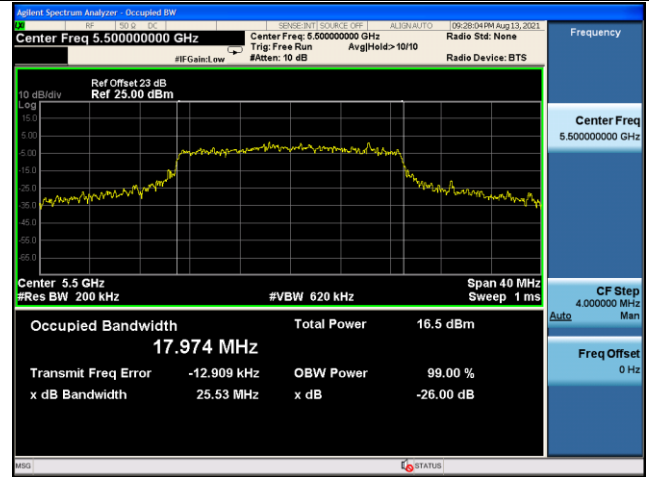
802.11 n-HT20 CH60 (5300MHz)



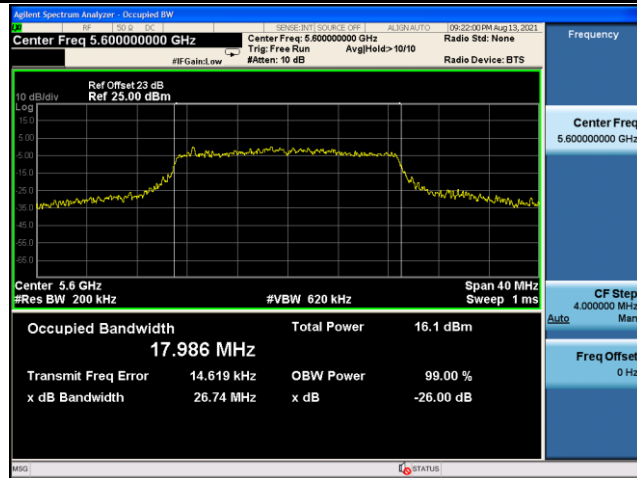
802.11 n-HT20 CH64 (5320MHz)



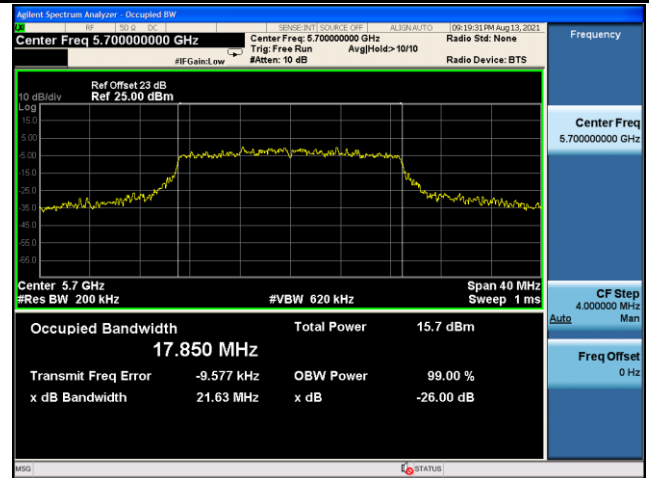
802.11 n-HT20 CH100 (5500MHz)



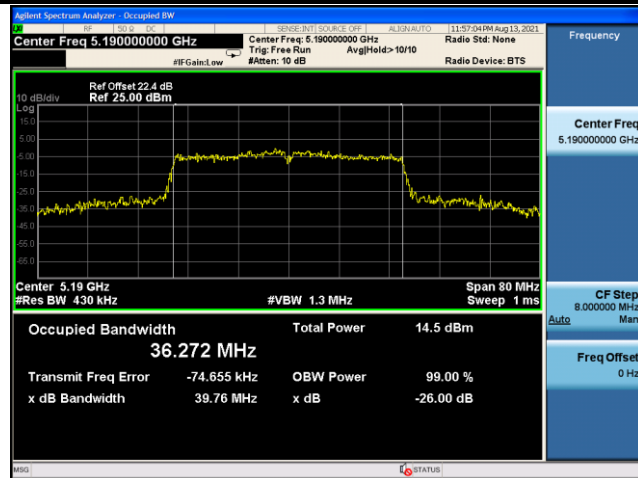
802.11 n-HT20 CH120 (5600MHz)



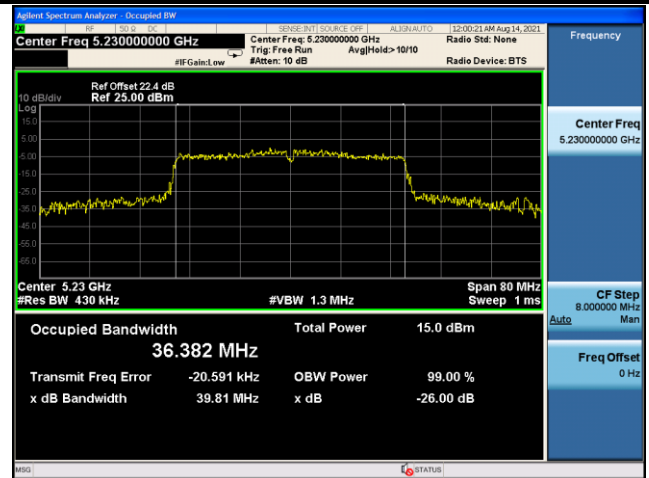
802.11 n-HT20 CH140 (5700MHz)



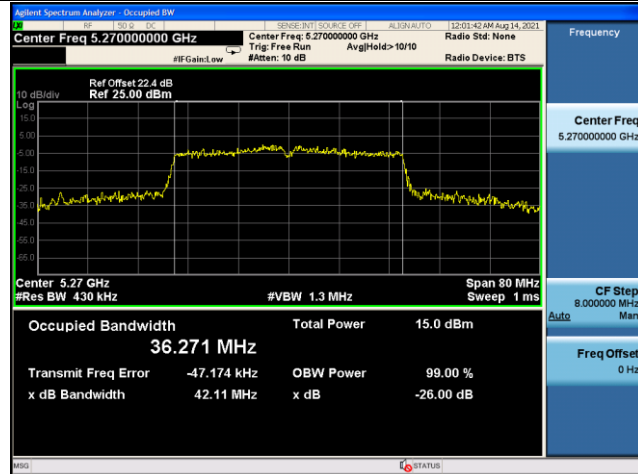
802.11 n-HT40 CH38 (5190MHz)



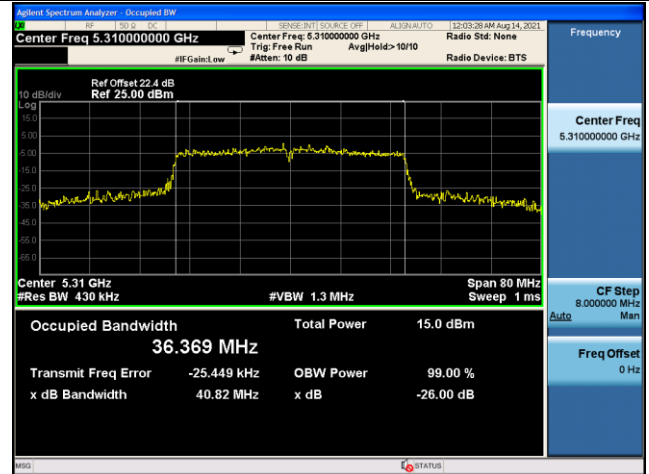
802.11 n-HT40 CH46 (5230MHz)



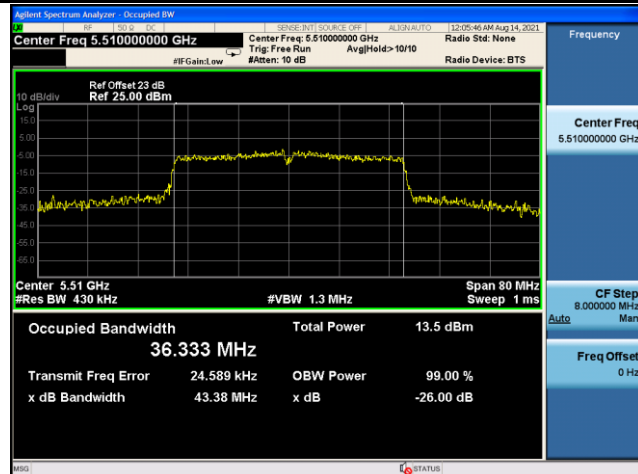
802.11 n-HT40 CH54 (5270MHz)



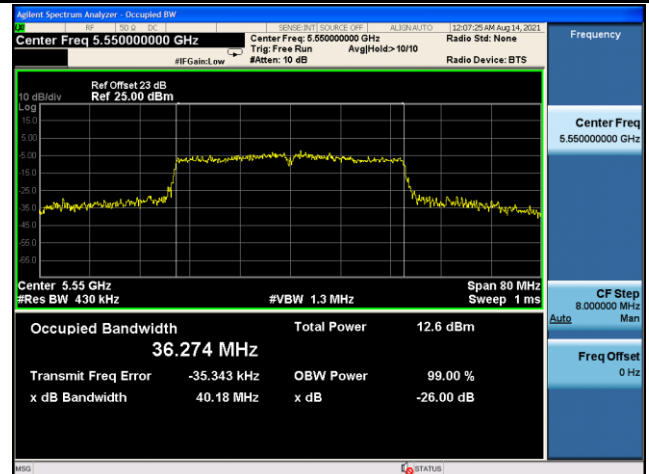
802.11 n-HT40 CH62 (5310MHz)



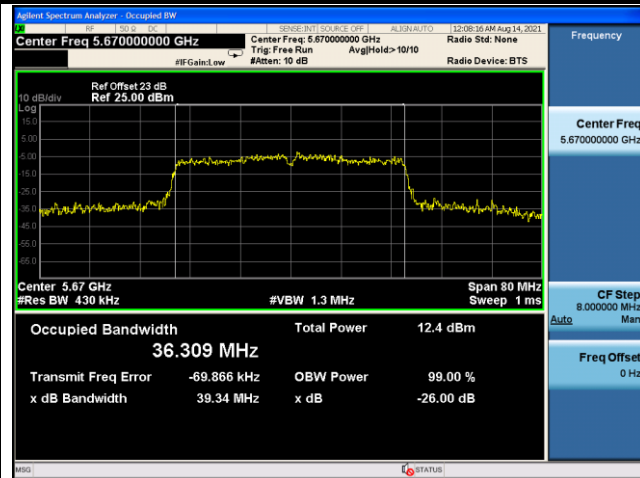
802.11 n-HT40 CH102 (5510MHz)



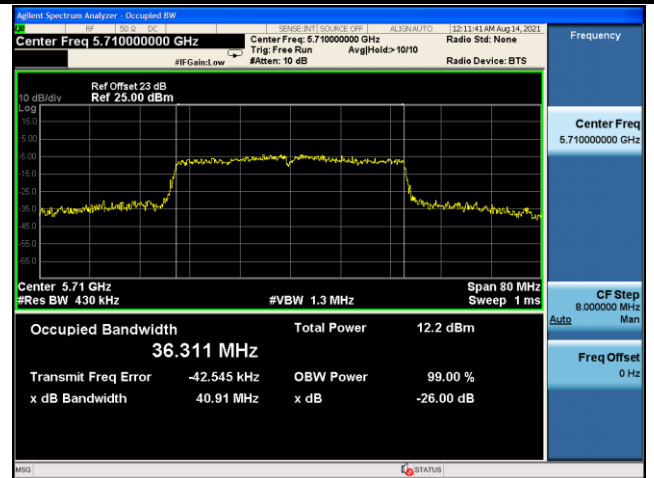
802.11 n-HT40 CH110 (5550MHz)



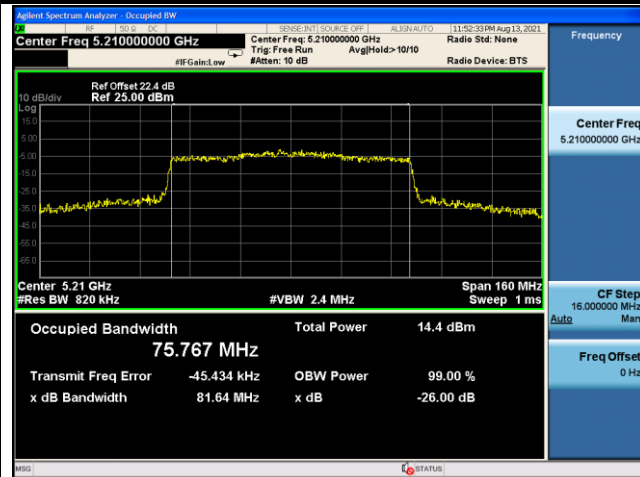
802.11 n-HT40 CH134 (5670MHz)



802.11 n-HT40 CH142 (5710MHz)



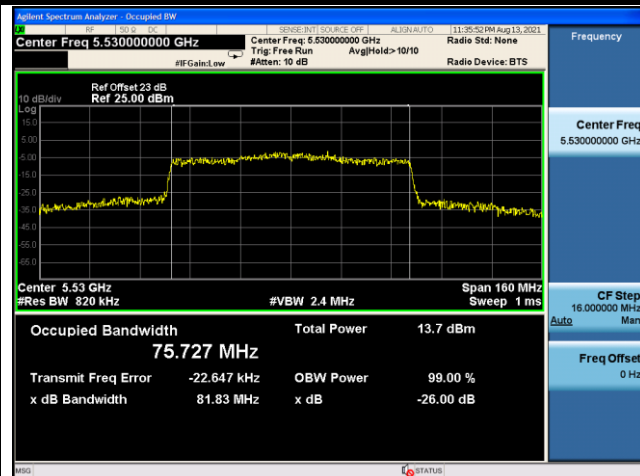
802.11 ac-VHT80 CH42 (5210MHz)



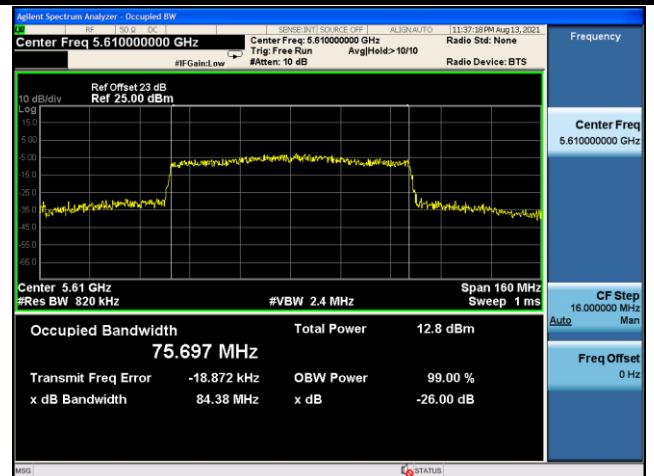
802.11 ac-VHT80 CH58 (5290MHz)

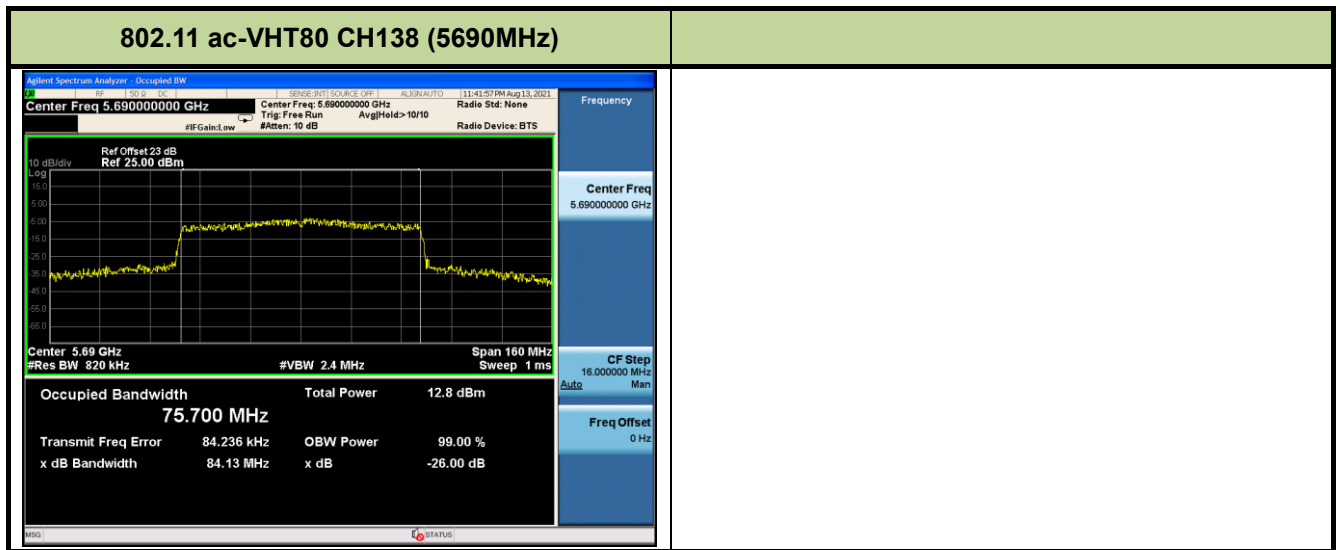


802.11 ac-VHT80 CH106 (5530MHz)



802.11 ac-VHT80 CH122(5610MHz)





5.7. 功率頻譜密度

5.7.1 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀RF輸入端，量測定於1MHz/500kHz頻寬。

5.7.2 限制要求

1. 使用於5.15 GHz～5.25 GHz 頻段

(1)供戶外操作使用:在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

(2)供室內操作使用:

(A)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

(B)使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(3)供固定式點對點操作使用:

(A) 在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

(B)使用超過23 dBi 方向增益之指向性天線時，應依超過23 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(C)固定式點對點操作，不包括點對多點系統、全方向性應用及多台共站發射機傳送相同資訊。

(4)供用戶端裝置(Client Device)操作使用:

(A)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於11 dBm。

(B)使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

2. 使用頻率於5.25 GHz～5.35 GHz 與5.470 GHz～5.725 GHz 頻段

(1)最大功率頻譜密度在任何1 MHz 頻帶中應小於或等於11 dBm。

(2)使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

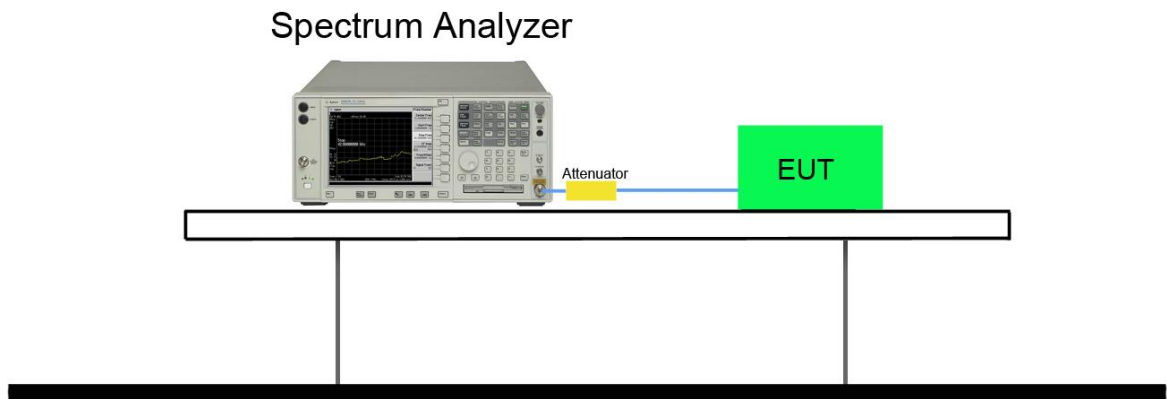
3. 使用頻率於5.725 GHz～5.850 GHz 頻段

(1)在任何500 kHz 頻帶中最大功率頻譜密度應小於或等於30 dBm。

(2)供固定式點對點操作時，使用方向增益超過6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。

(3)除(2)外，使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

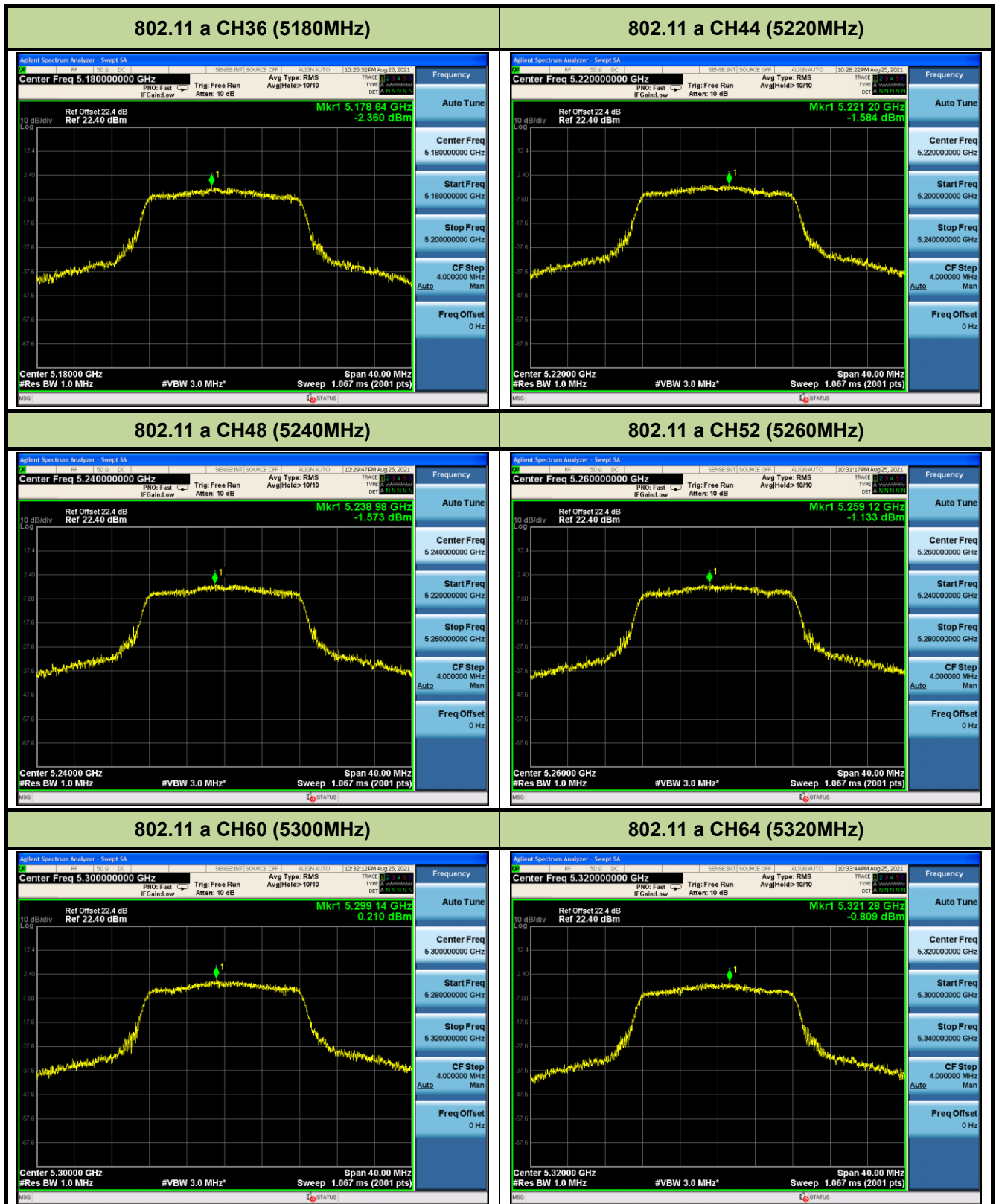
5.7.3 測試架構圖



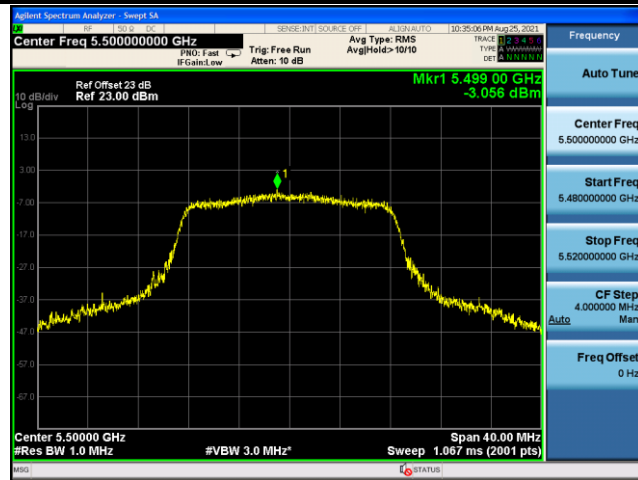
5.7.4 功率頻譜密度測試結果

Test Mode	Channel No.	Freq. (MHz)	PSD (dBm)	Limit (dBm/MHz)	Result
TX- 802.11a_Band1	36	5180	-2.329	≤ 11dBm/MHz	Pass
	44	5220	-1.553	≤ 11dBm/MHz	Pass
	48	5240	-1.542	≤ 11dBm/MHz	Pass
TX- 802.11a_Band2	52	5260	-1.102	≤ 11dBm/MHz	Pass
	60	5300	0.241	≤ 11dBm/MHz	Pass
	64	5320	-0.778	≤ 11dBm/MHz	Pass
TX- 802.11a_Band3	100	5500	-3.025	≤ 11dBm/MHz	Pass
	120	5600	-3.848	≤ 11dBm/MHz	Pass
	140	5700	-4.763	≤ 11dBm/MHz	Pass
TX- 802.11n-HT20_Band1	36	5180	-2.226	≤ 11dBm/MHz	Pass
	44	5220	-1.547	≤ 11dBm/MHz	Pass
	48	5240	-2.029	≤ 11dBm/MHz	Pass
TX- 802.11n-HT20_Band2	52	5260	-5.554	≤ 11dBm/MHz	Pass
	60	5300	-4.385	≤ 11dBm/MHz	Pass
	64	5320	-3.648	≤ 11dBm/MHz	Pass
TX- 802.11n-HT20_Band3	100	5500	-3.630	≤ 11dBm/MHz	Pass
	120	5600	-4.374	≤ 11dBm/MHz	Pass
	140	5700	-5.994	≤ 11dBm/MHz	Pass

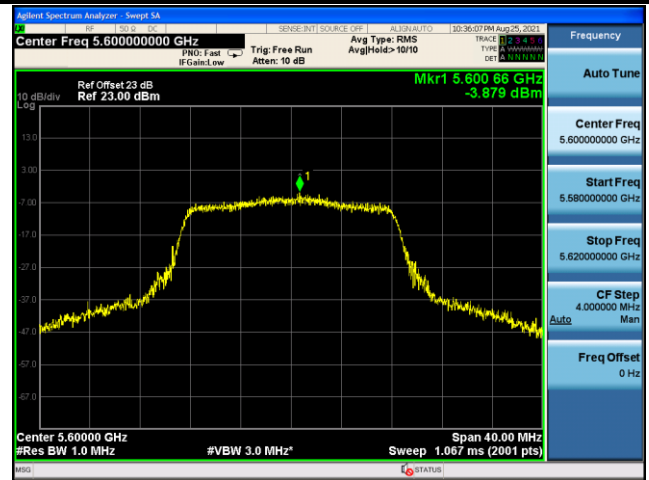
Test Mode	Channel No.	Freq. (MHz)	PSD (dBm)	Limit (dBm/MHz)	Result
TX- 802.11n-HT40_Band1	38	5190	-10.734	$\leq 11\text{dBm/MHz}$	Pass
	46	5230	-10.944	$\leq 11\text{dBm/MHz}$	Pass
TX- 802.11n-HT40_Band2	54	5270	-11.895	$\leq 11\text{dBm/MHz}$	Pass
	62	5310	-10.228	$\leq 11\text{dBm/MHz}$	Pass
TX- 802.11n-HT40_Band3	102	5510	-9.720	$\leq 11\text{dBm/MHz}$	Pass
	110	5550	-10.010	$\leq 11\text{dBm/MHz}$	Pass
	134	5670	-9.762	$\leq 11\text{dBm/MHz}$	Pass
	142	5710	-9.523	$\leq 11\text{dBm/MHz}$	Pass
TX- 802.11ac-VHT80_Band1	42	5210	-14.515	$\leq 11\text{dBm/MHz}$	Pass
TX- 802.11ac-VHT80_Band2	58	5290	-16.702	$\leq 11\text{dBm/MHz}$	Pass
TX- 802.11ac-VHT80_Band3	106	5530	-12.327	$\leq 11\text{dBm/MHz}$	Pass
	122	5610	-11.972	$\leq 11\text{dBm/MHz}$	Pass
	138	5690	-12.868	$\leq 11\text{dBm/MHz}$	Pass



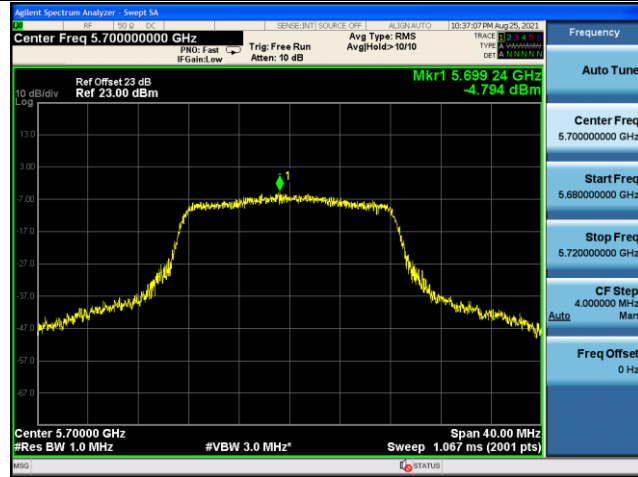
802.11 a CH100 (5500MHz)



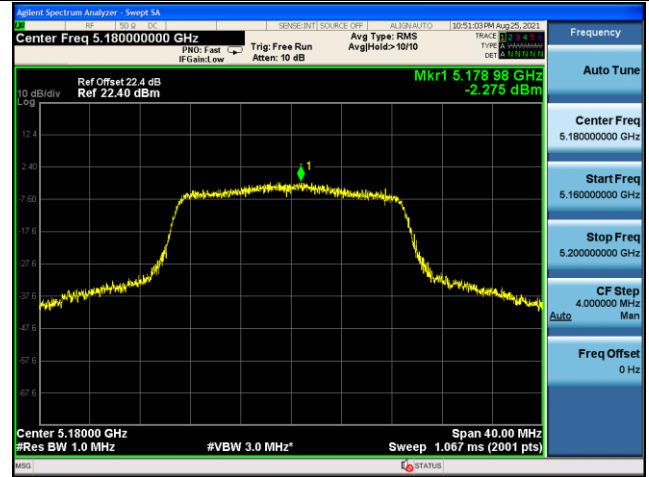
802.11 a CH120 (5600MHz)



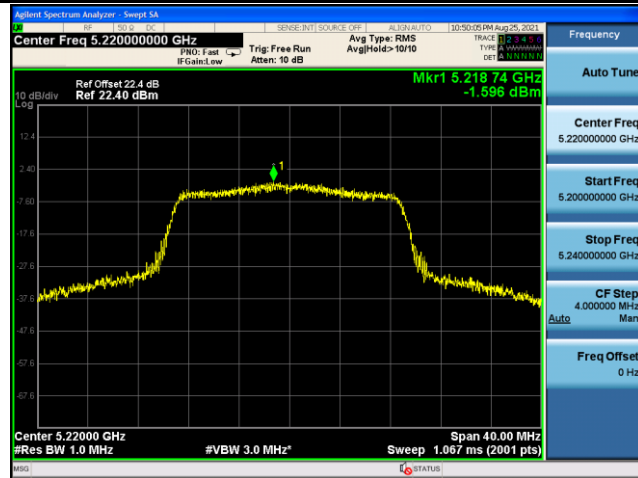
802.11 a CH140 (5700MHz)



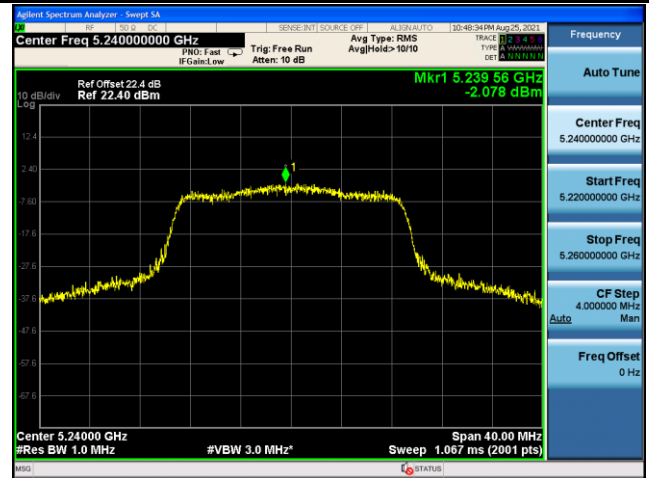
802.11 n-HT20 CH36 (5180MHz)



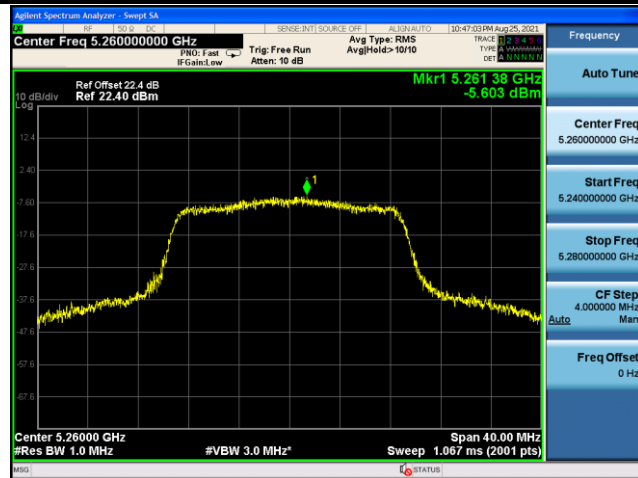
802.11 n-HT20 CH44 (5220MHz)



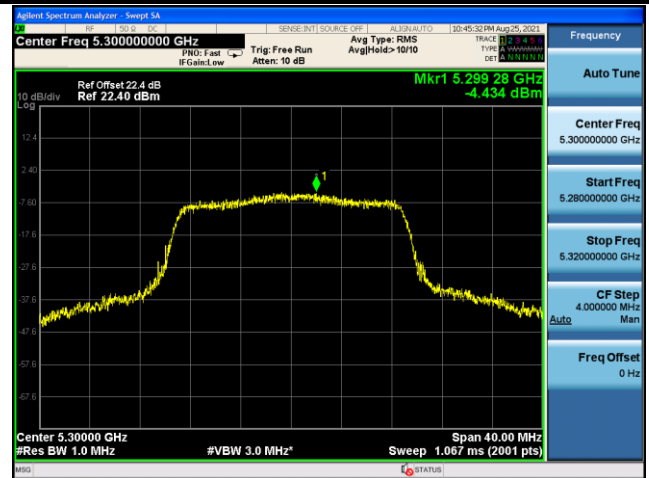
802.11 n-HT20 CH48 (5240MHz)



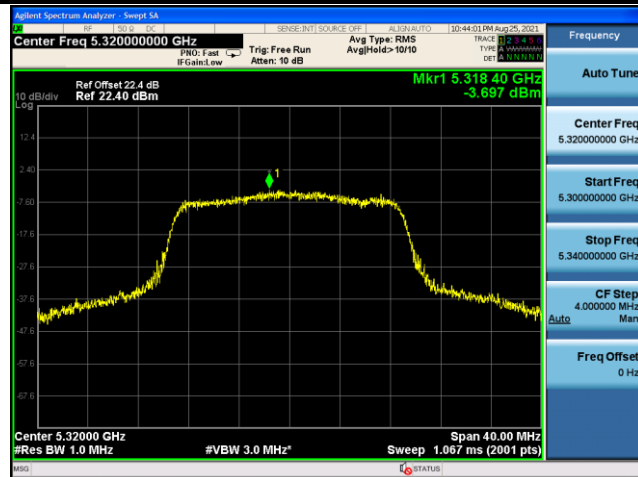
802.11 n-HT20 CH52 (5260MHz)



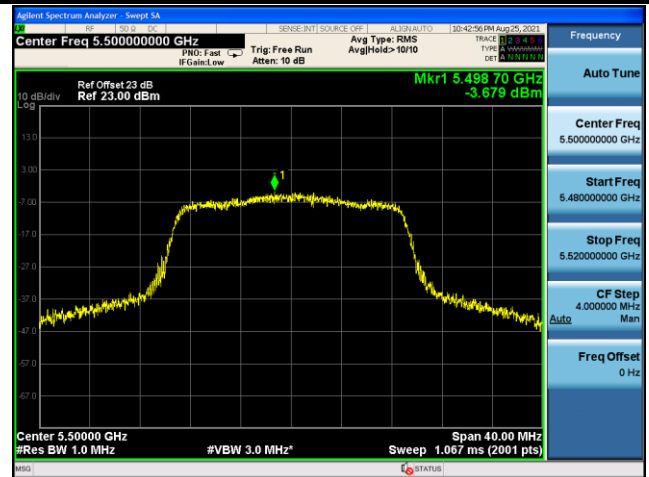
802.11 n-HT20 CH60 (5300MHz)



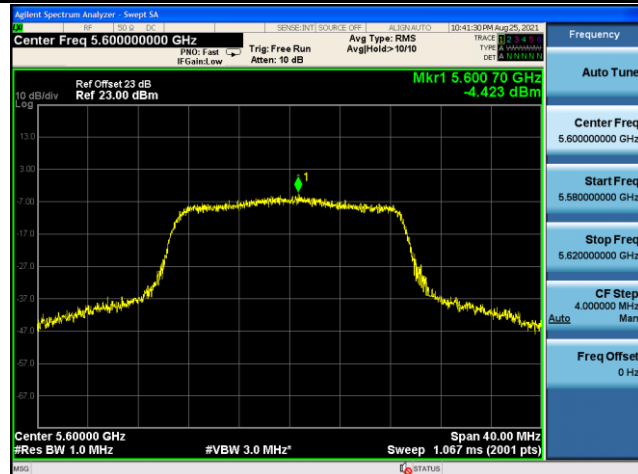
802.11 n-HT20 CH64 (5320MHz)



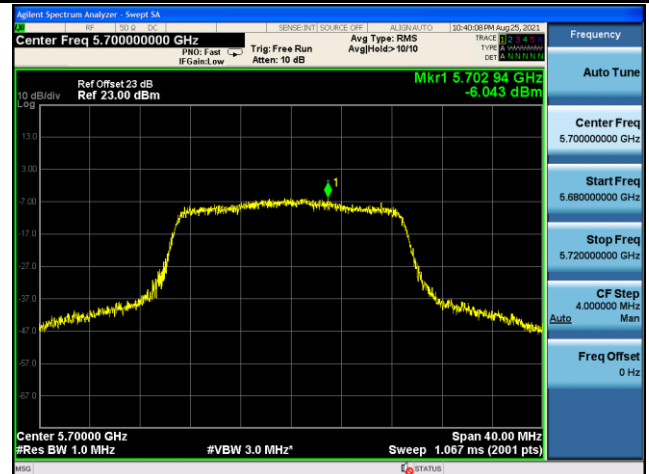
802.11 n-HT20 CH100 (5500MHz)



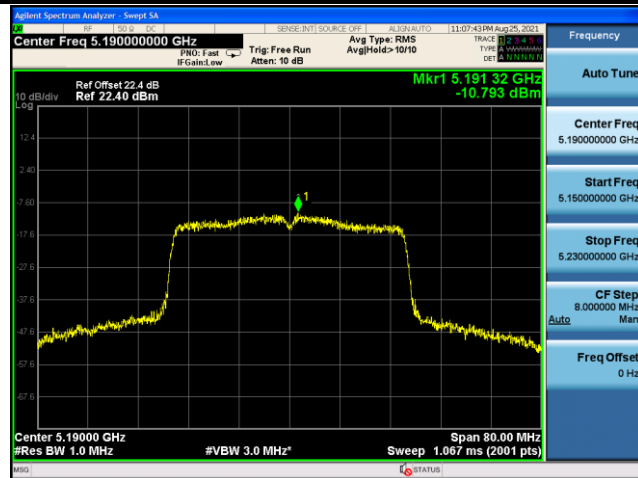
802.11 n-HT20 CH120 (5600MHz)



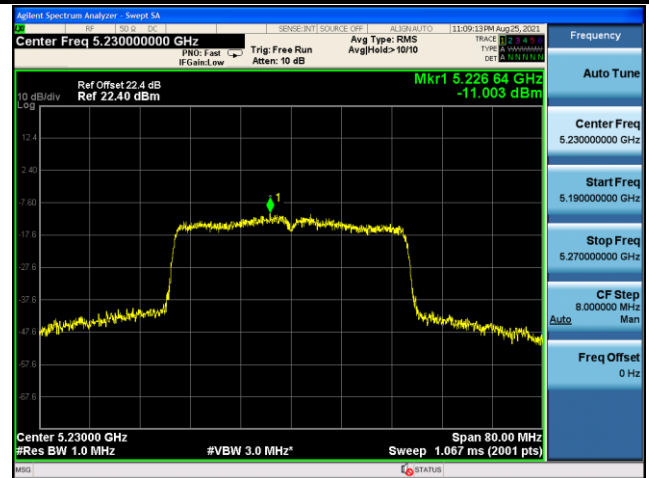
802.11 n-HT20 CH140 (5700MHz)



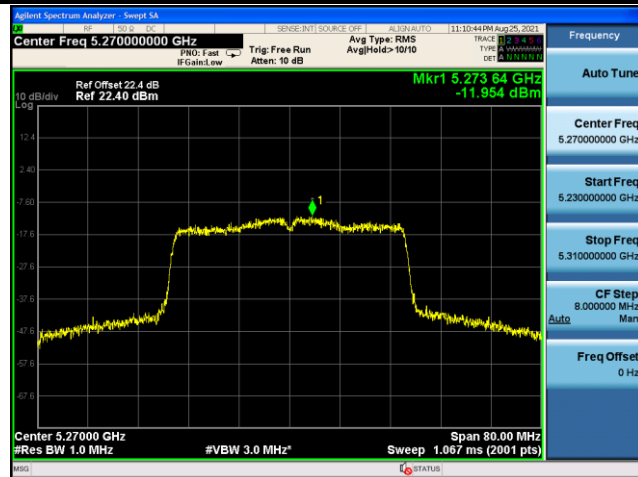
802.11 n-HT40 CH38 (5190MHz)



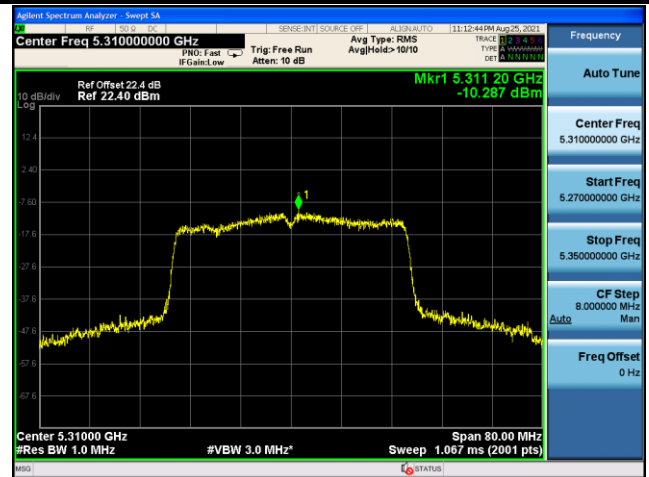
802.11 n-HT40 CH46 (5230MHz)



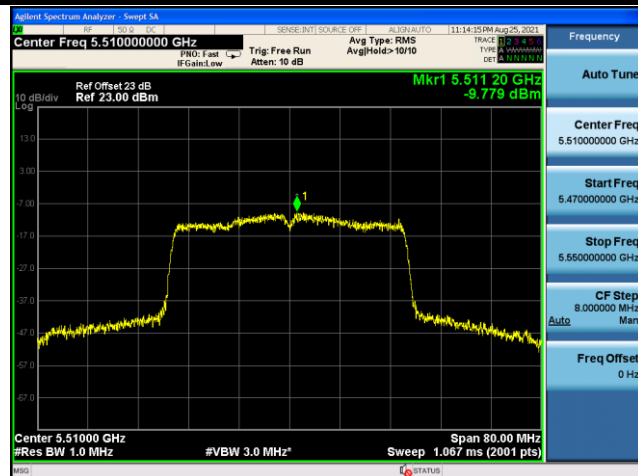
802.11 n-HT40 CH54 (5270MHz)



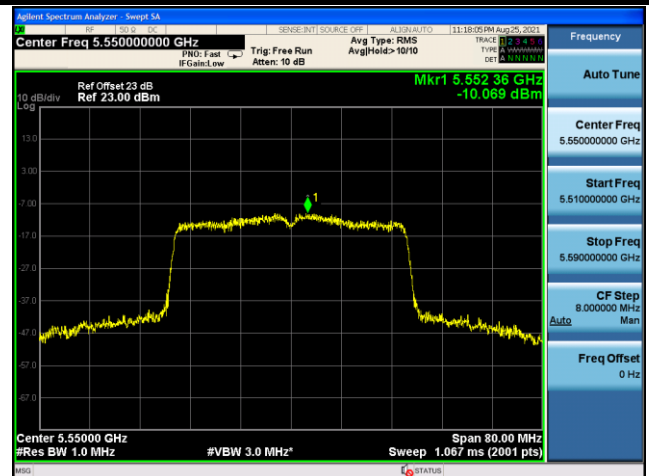
802.11 n-HT40 CH62 (5310MHz)



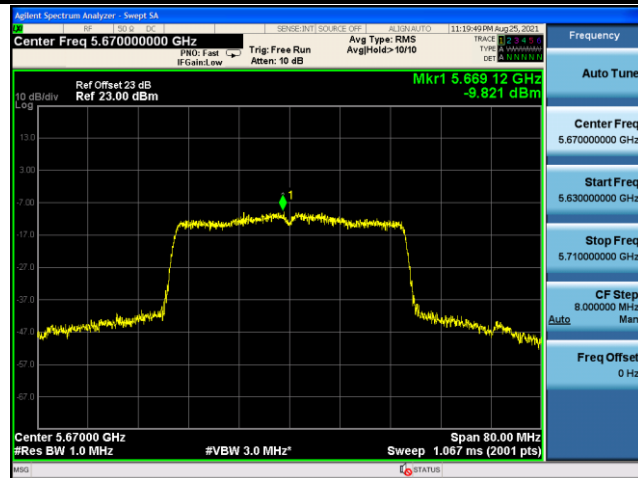
802.11 n-HT40 CH102 (5510MHz)



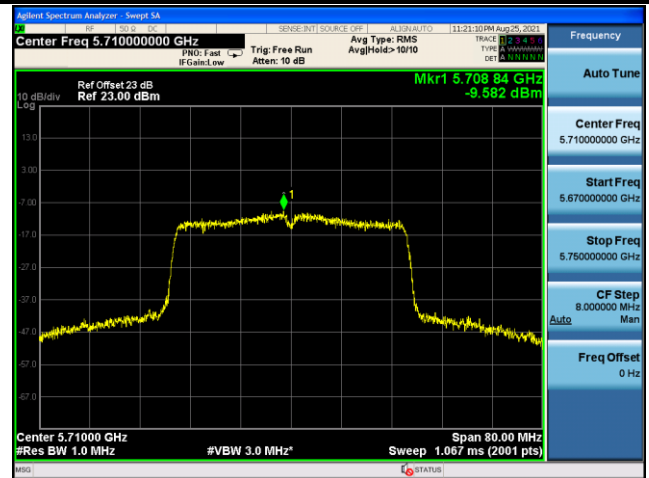
802.11 n-HT40 CH110 (5550MHz)



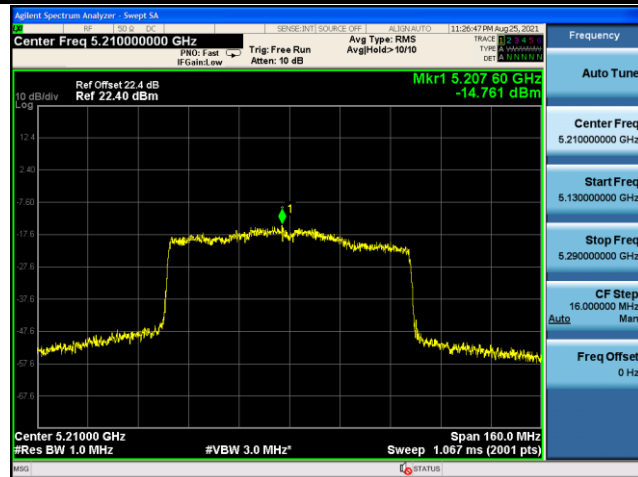
802.11 n-HT40 CH134 (5670MHz)



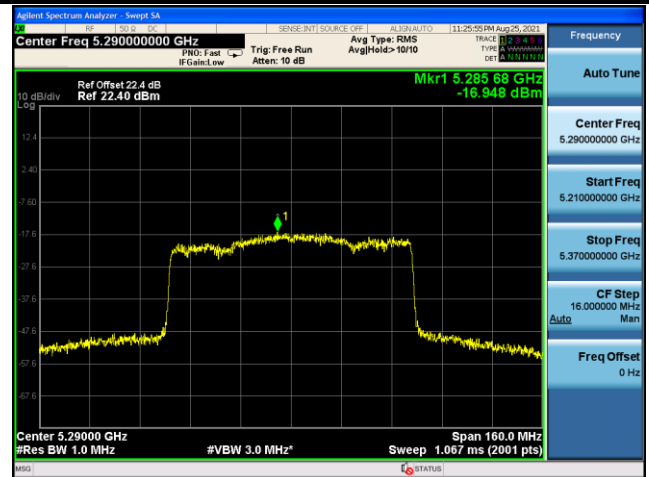
802.11 n-HT40 CH142 (5710MHz)



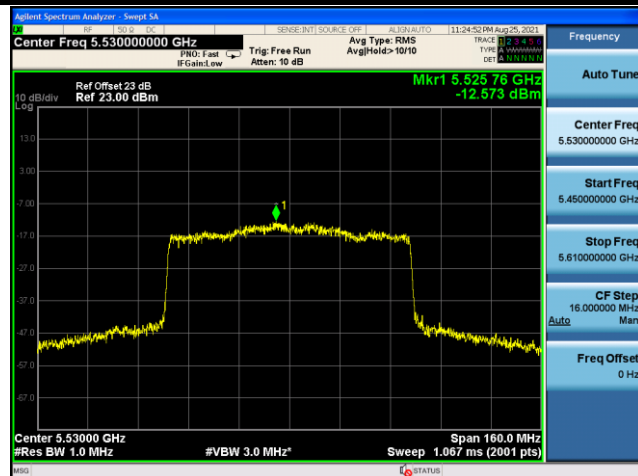
802.11 ac-VHT80 CH42 (5210MHz)



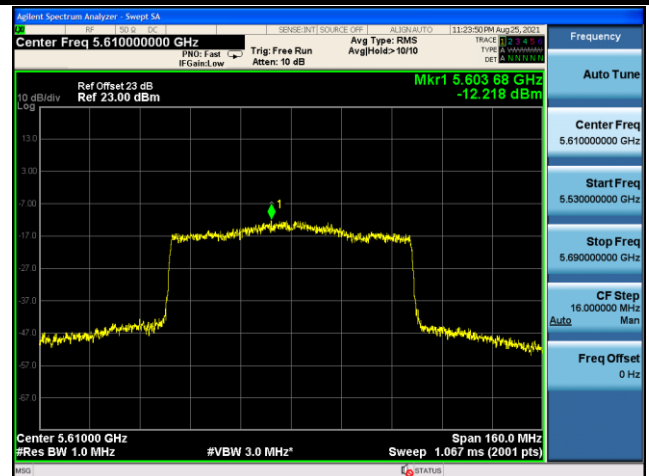
802.11 ac-VHT80 CH58 (5290MHz)

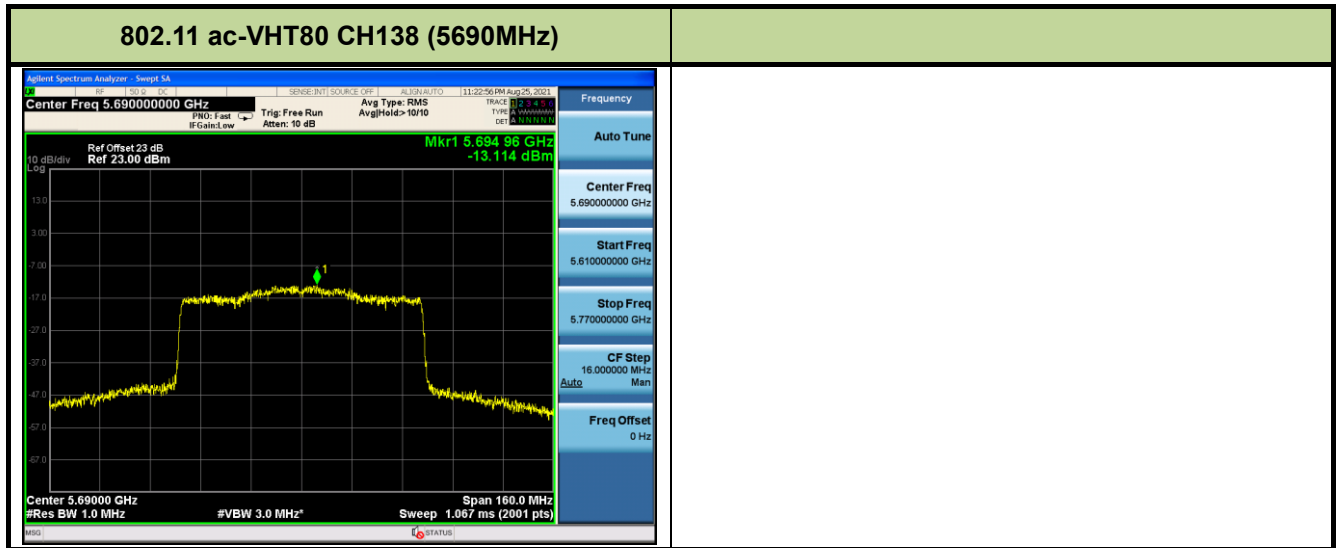


802.11 ac-VHT80 CH106 (5530MHz)



802.11 ac-VHT80 CH122(5610MHz)





The End